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DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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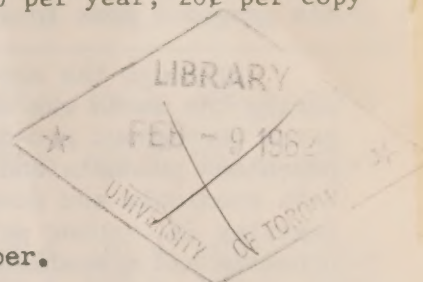
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Monthly

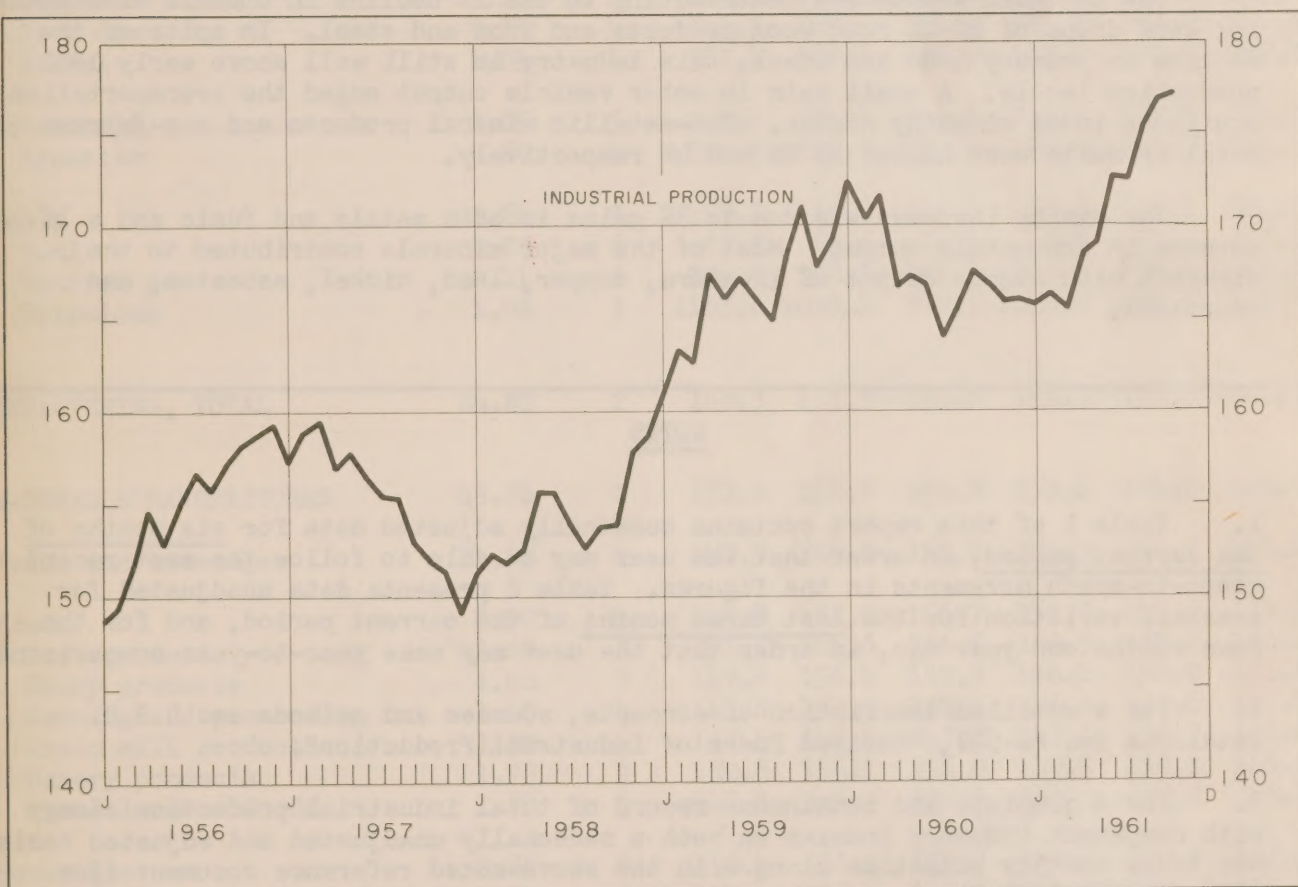
Vol. 1 - No. 1-3
October, 1961 - Dec. 1961

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)



Industrial production was virtually unchanged in October.



Prepared in the Industrial Output Section
National Accounts Division

2205-502-101

Canada's seasonally adjusted index of industrial production was virtually unchanged in October, at 177.1, a fractional increase from the revised September level of 176.9. Declines of less than 1% in both manufacturing and electric power and gas utilities were more than offset by a 2.8% gain in mining output. This development left the overall index of industrial production 2.7% higher than its previous peak in January, 1960.

Although the non-durable index reached a new peak in October, the advance during the month was slight, amounting to less than 1%. The fairly widespread gains throughout non-durables were somewhat dampened by a substantial decline in petroleum products and a lesser drop in the output of the clothing industry. Both chemicals and foods and beverages were up 1%, printing and publishing and textiles 2%, rubber products 4% and tobacco products 7%. Leather products, paper products and miscellaneous manufactures were little changed during the month.

The two main weaknesses contributing to the 1% decline in durable manufacturing were drops of 4% in both wood products and iron and steel. In spite of the decline in primary iron and steel, this industry is still well above early 1961 production levels. A small gain in motor vehicle output edged the transportation equipment index slightly higher. Non-metallic mineral products and non-ferrous metal products were higher by 2% and 4% respectively.

The mining increase was due to 3% gains in both metals and fuels and a 1% advance in non-metals output. Most of the major minerals contributed to the strength with higher output of iron-ore, copper, lead, nickel, asbestos, and petroleum.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use these monthly bulletins along with the above-noted reference document (for 1935 to 1956 inclusive) and Table VI of the April issue of the Canadian Statistical Review (1957 to 1960 inclusive).
4. The M.C.D. (months for cyclical dominance) measure indicates the number of months required on average for the emergence of the cyclical trend from the seasonally adjusted series. An M.C.D. of 4 implies that a four month moving average of the series (dated at the second month) is required in order to offset irregular movements and allow examination of the underlying cyclical trend. The seasonally adjusted series in these bulletins are not adjusted for M.C.D.

TABLE I. Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961					
			MAY	JUNE	JULY	AUG.	SEPT.	OCT.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	169.1	172.7	172.5	175.4	176.9	177.1
MINING, TOTAL	10.07	2	265.2	263.2	252.0	266.1	267.4	274.9
Metals	5.97	2	178.7	183.4	177.5	177.6	185.4	191.6
Gold	1.93	5	107.2	105.3	102.9	106.3	102.8	100.9
Copper	1.10	4	168.3	173.8	175.1	173.6	163.6	188.8
Iron ore	0.31	4	349.2	352.4	301.3	328.8	309.0	358.2
Nickel	1.05	4	182.1	178.2	192.9	181.9	201.9	206.8
Non-metals	0.85	5	203.5	222.7	206.9	216.1	207.8	210.7
Asbestos	0.59	4	222.2	241.2	219.8	228.2	212.5	214.2
Fuels	2.84	3	457.3	435.7	413.3	456.5	448.0	461.8
Coal	1.72	6	58.8	61.6	52.3	46.8	51.3	52.1
Natural gas	0.11	2	704.7	706.2	761.8	781.3	755.4	742.1
Petroleum	1.02	3	1103.8	1038.4	985.5	1113.7	1084.9	1123.8
MANUFACTURING, TOTAL	84.83	2	148.3	152.9	153.9	155.3	156.7	156.3
NON-DURABLE MANUFACTURES	45.74	2	153.9	158.6	159.8	159.4	160.4	160.9
Foods and beverages	11.83	4	147.5	155.9	158.8	155.3	154.8	155.6
Foods	8.99	4	147.8	154.0	156.7	150.9	149.9	153.3
Meat products	1.62	4	151.7	166.6	166.5	160.5	162.2	166.4
Dairy products	1.40	3	149.6	156.4	159.3	156.1	158.0	161.8
Canning and processing	1.40	4	144.8	153.9	178.5	146.6	139.6	155.4
Grain mill products	1.00	4	137.5	140.4	147.8	143.1	136.3	137.6
Bakery products	1.73	3	150.8	156.1	151.0	149.5	150.1	149.5
Miscellaneous foods	1.83	4	148.2	146.3	139.6	147.3	147.9	146.0
Beverages	2.85	6	146.4	162.0	165.3	169.2	170.1	162.8
Carbonated beverages	0.72	5	131.4	166.5	174.6	167.0	179.4	152.8
Breweries	1.44	6	139.1	142.4	151.9	152.0	149.5	154.6
Distilleries	0.63	6	174.7	202.3	187.5	214.5	210.7	201.5
Tobacco and tobacco products	0.77	6	187.9	206.3	177.3	203.0	191.7	205.6
Rubber products	1.33	3	139.7	146.3	154.3	150.5	153.4	159.5
Leather products	1.58	2	118.9	126.9	127.2	121.8	126.0	125.6
Boots and shoes	0.95	3	124.6	136.3	140.6	133.4	136.1	136.7

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Propor- tions	MCD	1961					
			MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Textiles	5.04	3	130.9	137.0	142.3	128.7	137.7	140.2
Cotton goods	1.57	4	96.6	97.5	110.0	96.8	97.8	109.5
Wool goods	0.93	3	74.2	91.5	85.9	72.2		
Synthetic textiles and silk	1.33	3	213.4	222.2	231.5	205.0	232.0	228.2
Clothing	5.59	3	104.9	106.6	115.1	112.4	114.4	111.9
Men's, women's and children's clothing	3.45	3	104.4	106.6	117.9	116.5	118.5	115.1
Knitting mills	1.22	2	96.7	99.2	107.3	100.3	103.1	101.1
Paper products	8.22	3	152.3	156.2	156.6	156.8	157.2	156.8
Pulp and paper	6.54	3	150.0	152.6	154.0	153.7	156.3	154.8
Printing publishing and allied industries	3.95	4	145.1	140.7	143.4	148.7	151.1	154.5
Products of petroleum and coal	1.59	3	267.4	259.9	224.5	276.2	272.3	254.5
Petroleum products	1.41	3	288.6	279.2	239.1	298.0	293.2	293.7
Chemicals and allied products	4.22	2	223.7	231.3	230.0	227.4	223.0	224.5
Acids, alkalies, salts and fertilizers	1.07	2	285.5	290.1	284.3	283.5	280.1	277.7
Miscellaneous manufactures	1.62	1	206.2	210.9	213.2	216.4	220.7	224.8
DURABLE MANUFACTURES	39.09	2	141.6	146.2	146.9	150.6	152.5	150.9
Wood products	6.54	2	131.0	136.6	141.4	135.8	140.9	135.0
Saw and planing mills	4.48	3	137.0	144.2	150.9	142.7	149.6	141.3
Veneers and plywoods	0.38	3	292.7	312.3	334.1	312.3	329.8	248.6
Sawmills	3.08	4	122.9	129.7	135.9	126.5	134.4	132.4
Furniture	1.43	1	136.9	140.5	141.4	141.7	142.3	140.8
Iron and steel products	12.49	2	134.5	138.7	140.0	146.0	144.3	139.2
Machinery	2.64	1	127.5	127.5	131.1	131.1	132.9	132.5
Iron castings	1.20	3	117.9	151.1	144.3	176.2	165.4	142.8
Primary iron and steel	2.62	3	183.6	183.4	180.1	196.3	193.9	182.9
Sheet metal products	1.11	1	140.3	141.5	141.1	139.6	137.2	137.2
Transportation equipment	8.23	4	118.1	126.1	127.9	138.0	140.7	141.2
Aircraft and parts	0.63	1	266.0	271.1	262.4	258.7	266.2	269.8
Motor vehicles	3.21	4	143.0	154.8	155.1	173.2	180.0	185.2
Motor vehicle parts	1.43	1	107.3	108.9	119.5	133.6	124.0	115.0
Railway rolling stock	1.93	1	44.2	44.2	46.6	49.4	50.2	48.1
Shipbuilding and repairs	0.81	1	106.8	136.5	137.4	138.2	146.5	148.7

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Propor- tions	MCD	1961					
			MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Non-ferrous metal products	4.97	3	151.0	145.8	140.4	141.5	144.5	149.9
Brass and copper products	0.75	1	118.9	122.3	123.7	124.5	128.0	128.2
Smelting and refining	3.19	3	172.7	163.5	155.3	156.2	159.8	167.7
Electrical apparatus and supplies	4.40	2	168.2	177.3	179.6	180.3	186.4	186.5
Heavy electrical machinery	1.52	1	122.4	124.6	126.4	127.6	126.6	128.4
Telecommunication equipment	0.44	2	373.4	409.4	434.8	404.9	439.6	447.8
Refrigerators and appliances	0.71	3	158.6	178.6	166.6	181.7	189.2	178.3
Non-metallic mineral products	2.46	2	218.3	221.5	215.2	221.0	219.4	223.0
Concrete products	0.30	4	584.8	579.6	525.1	577.8	556.2	571.0
Hydraulic cement	0.36	4	234.0	232.4	211.1	214.8	228.0	219.8
Domestic clay products	0.24	3	139.8	154.8	153.8	146.4		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	325.5	323.5	325.0	331.0	332.9	330.4
Electric power	4.60	2	300.4	298.8	301.3	304.7	303.4	305.6
Gas	0.51	3	550.2	545.3	537.3	566.8	598.0	553.1

TABLE II. Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	AUG.	SEPT.	OCT.	AUG.	SEPT.	OCT.
INDUSTRIAL PRODUCTION, TOTAL	166.2	167.5	162.6	170.0	171.5	171.4	180.6	183.4
MINING, TOTAL	251.1	253.3	254.1	264.7	253.4	267.5	277.4	278.7
Metals	201.3	197.9	208.0	207.4	202.2	185.3	198.8	200.4
Gold	108.4	111.2	106.9	107.5	117.5	100.3	100.2	104.9
Copper	151.6	168.7	170.4	160.0	162.2	170.1	171.8	184.1
Iron ore	448.9	406.3	721.4	637.1	473.0	493.2	565.4	525.5
Nickel	144.8	166.9	175.7	172.4	165.3	184.6	200.7	203.1
Non-metals	191.4	192.6	185.0	212.3	207.8	215.2	229.7	236.1
Asbestos	193.5	201.4	189.1	224.9	211.3	221.8	235.0	243.1
Fuels	363.1	380.2	345.8	376.5	351.1	427.8	434.9	436.6
Coal	51.9	53.3	33.6	62.6	64.7	26.1	52.8	63.7
Natural gas	503.9	589.2	436.7	485.3	571.9	557.1	604.3	696.8
Petroleum	873.7	909.9	863.4	895.0	811.0	1092.5	1062.1	1038.4
MANUFACTURING, TOTAL	150.0	149.5	145.4	152.1	154.7	153.4	162.1	164.1
NON-DURABLE MANUFACTURES	150.4	152.5	154.6	160.4	163.0	162.8	169.4	171.4
Foods and beverages	148.0	150.7	167.1	168.1	175.2	173.1	174.9	180.2
Foods	145.0	147.1	161.6	167.0	171.3	169.2	172.6	181.2
Meat products	168.1	156.5	147.4	153.7	163.5	153.6	168.9	178.2
Dairy products	146.7	152.8	172.9	166.9	151.6	179.2	174.4	158.6
Canning and processing	142.4	150.6	239.4	246.3	252.7	254.0	247.2	280.0
Grain mill products	132.4	132.5	130.8	140.9	141.9	142.7	140.8	142.5
Bakery products	142.0	143.9	152.1	150.8	149.4	155.1	154.5	154.7
Miscellaneous foods	135.0	142.9	131.6	147.9	167.9	138.4	151.7	171.7
Beverages	157.4	161.7	184.4	171.5	187.5	185.4	182.3	177.0
Carbonated beverages	162.3	164.8	207.4	170.3	169.0	223.6	186.0	143.0
Breweries	141.9	146.4	153.5	132.3	144.4	161.4	145.0	147.2
Distilleries	190.3	194.8	231.0	245.9	302.2	204.0	253.0	286.1
Tobacco and tobacco products	179.9	182.0	183.3	202.7	195.2	197.3	204.7	207.7
Rubber products	161.1	143.3	109.6	148.3	142.2	117.1	164.1	167.8
Leather products	120.3	111.8	114.1	122.5	115.2	125.6	133.0	128.4
Boots and shoes	131.6	123.7	128.0	137.5	126.0	138.5	143.6	136.2

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	AUG.	SEPT.	OCT.	AUG.	SEPT.	OCT.
Textiles	124.4	122.5	114.2	123.0	127.5	128.9	143.2	146.7
Cotton goods	94.2	89.6	84.4	90.6	96.4	95.2	107.6	114.8
Wool goods	84.8	78.5	80.0	81.9	84.5	76.0	.	.
Synthetic textiles and silk	181.1	187.6	164.9	186.5	192.5	207.0	236.9	238.5
Clothing	113.1	109.0	109.2	113.7	110.0	113.4	120.5	113.9
Men's, women's and children's clothing	109.9	109.4	110.8	115.4	108.6	118.7	125.8	115.4
Knitting mills	116.6	103.1	98.2	106.2	108.4	97.2	107.2	105.6
Paper products	145.9	150.3	152.0	152.4	158.1	158.0	157.6	164.7
Pulp and paper	141.8	148.2	148.3	148.5	155.6	152.6	154.7	162.7
Printing publishing and allied industries	143.2	146.5	136.6	147.1	152.7	141.3	153.3	157.6
Products of petroleum and coal	241.5	250.6	254.3	252.2	244.8	282.8	281.3	253.3
Petroleum products	259.1	269.8	274.7	272.4	263.6	305.7	303.8	272.6
Chemicals and allied products	208.4	222.3	222.0	234.5	231.4	225.1	232.5	232.6
Acids, alkalies, salts and fertilizers	246.9	270.7	277.5	277.6	276.3	279.5	280.1	279.9
Miscellaneous manufactures	183.2	191.6	192.5	199.3	205.4	217.3	227.8	236.7
DURABLE MANUFACTURES	149.5	145.9	134.7	142.3	145.1	142.3	153.5	155.6
Wood products	136.6	135.6	146.0	141.0	132.2	149.1	149.8	138.8
Saw and planing mills	140.5	141.8	154.8	146.4	134.2	160.0	159.2	143.3
Veneers and plywoods	252.3	267.1	222.9	243.9	240.1	318.5	330.1	293.4
Sawmills	126.1	132.7	154.2	139.5	123.3	146.7	143.9	126.4
Furniture	146.3	139.4	143.6	148.0	148.1	145.7	151.3	150.8
Iron and steel products	147.2	136.4	130.5	135.6	135.3	145.7	150.2	144.2
Machinery	135.9	133.6	133.3	130.5	130.4	132.1	133.3	134.9
Iron castings	157.5	142.0	103.5	142.5	139.3	166.2	169.4	138.9
Primary iron and steel	167.7	162.1	143.8	161.0	166.4	186.7	191.4	188.9
Sheet metal products	149.6	143.5	153.8	155.8	151.3	152.4	151.9	146.7
Transportation equipment	131.5	129.9	70.7	96.3	117.1	79.8	110.4	133.1
Aircraft and parts	249.4	238.4	225.7	236.7	245.6	258.7	262.7	267.9
Motor vehicles	148.8	159.0	22.7	84.0	133.2	31.7	108.0	166.7
Motor vehicle parts	132.9	118.8	92.8	104.3	111.6	114.9	116.2	113.0
Railway rolling stock	61.5	52.9	53.2	51.5	51.0	50.0	49.2	48.6
Shipbuilding and repairs	144.8	141.9	139.2	133.6	130.1	141.0	145.0	145.7

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	AUG.	SEPT.	OCT.	AUG.	SEPT.	OCT.
Non-ferrous metal products	134.7	148.3	150.2	151.3	151.0	140.3	146.5	152.7
Brass and copper products	119.3	115.2	116.9	115.2	113.8	127.0	131.2	132.0
Smelting and refining	145.7	168.7	170.9	172.5	171.3	153.5	160.6	168.7
Electrical apparatus and supplies	184.8	179.1	172.5	185.2	183.6	178.6	199.9	200.9
Heavy electrical machinery	142.5	132.1	132.7	131.1	127.9	128.1	130.6	132.3
Telecommunication equipment	420.7	398.6	381.7	469.6	466.1	428.4	532.4	549.4
Refrigerators and appliances	181.3	176.6	142.6	161.7	166.0	152.8	189.6	174.7
Non-metallic mineral products	223.2	210.6	241.1	237.9	241.4	255.3	255.2	257.9
Concrete products	534.2	511.9	660.5	660.6	649.7	741.9	735.3	729.7
Hydraulic cement	221.8	203.8	281.1	261.7	275.7	285.9	286.1	274.1
Domestic clay products	170.2	152.8	149.7	147.6	154.0	165.9		
ELECTRIC POWER AND GAS UTILITIES	268.7	298.0	267.4	281.4	289.3	281.9	298.4	315.1
Electric power	263.3	287.4	271.2	284.4	286.9	280.6	294.3	304.4
Gas	316.6	392.7	233.2	254.3	311.2	293.6	334.9	411.5

CATALOGUE No.

61-005

Monthly

DOMINION BUREAU OF STATISTICS

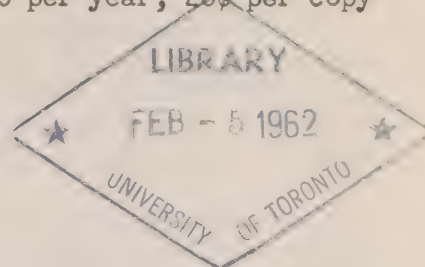
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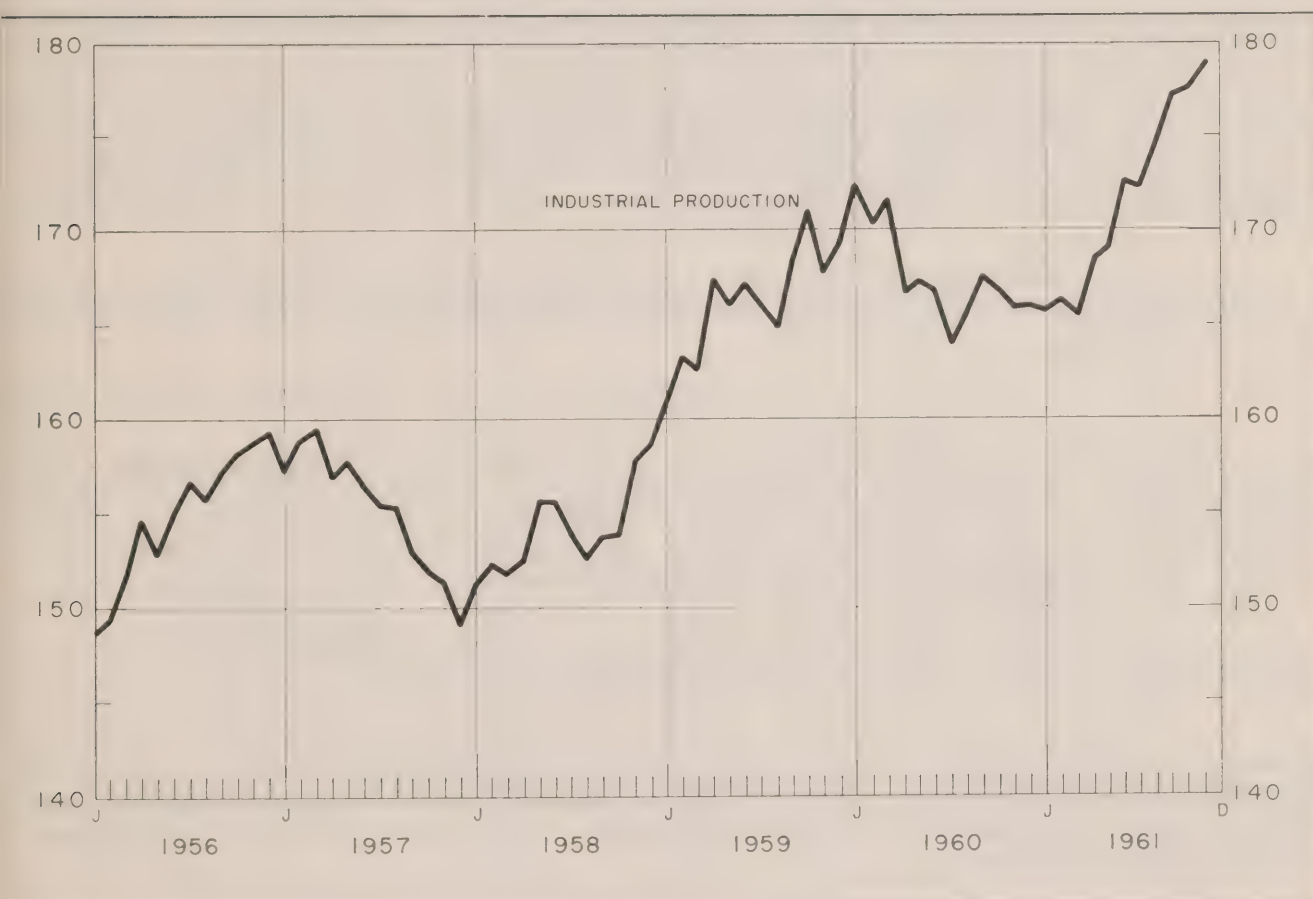
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Industrial production rose more than 1% in November.



Prepared in the Industrial Output Section
National Accounts Division

2205-502-111

Canada's seasonally adjusted index of industrial production rose by 1.1% in November, to 179.1 from the October level of 177.2. This latest advance was the result of increases of 1% and 3% in manufacturing and mining respectively, with electric power and gas utilities output off by more than 2%; durables accounted for most of the strength in manufacturing. At an all time high, the overall index is now some 4% above the previous peak in January, 1960.

Total non-durable manufacturing was only fractionally higher in November, reflecting mainly the 5% advance in petroleum products, associated with increased petroleum refining activity. Smaller advances also occurred in leather products, chemicals, foods and beverages and paper products. Declines were recorded in textiles and clothing, printing and publishing, and in tobacco and rubber products.

The 2% advance in output of durables brought that index to a point some 12% higher than the level in January, 1961. However, the group is still slightly below its December, 1956 high. During November, the strength in durables was fairly widespread with iron and steel the only group below the October level; the latter development reflected declines of 3% and 11% in primary steel and iron castings respectively. The largest single factor in the advance in the total durables group was an 8% increase in wood products, reflecting higher sawmill and veneer and plywood production. Elsewhere, transportation equipment and non-metallic mineral products were up by 1%, and electrical apparatus and supplies by 2%. The fourth consecutive advance in smelting and refining activity helped to raise the non-ferrous metal products group index by 5%.

With small declines in both metal and non-metal mining, the 3% increase in the total mining group was due entirely to substantially higher petroleum output in the fuel mining group.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

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SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961					
			JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	172.7	172.2	175.1	177.4	177.2	179.1
MINING, TOTAL	10.07	2	263.2	253.0	267.2	275.9	276.4	284.9
Metals	5.97	2	183.4	177.5	177.6	185.4	189.6	188.1
Gold	1.93	5	105.3	102.9	106.3	102.8	100.9	102.2
Copper	1.10	4	173.8	175.1	173.6	163.6	188.8	179.5
Iron ore	0.31	4	352.4	301.3	328.8	309.0	358.1	272.9
Nickel	1.05	4	178.2	192.9	181.9	201.9	206.8	215.3
Non-metals	0.85	5	222.7	206.9	216.1	207.8	210.7	204.6
Asbestos	0.59	4	241.2	219.8	228.2	212.5	214.2	207.7
Fuels	2.84	3	435.7	417.0	456.8	470.8	461.6	495.9
Coal	1.72	6	61.6	52.3	46.8	51.3	52.1	48.9
Natural gas	0.11	2	706.2	761.8	781.3	755.4	734.6	709.4
Petroleum	1.02	3	1038.4	996.0	1114.5	1148.9	1123.8	1228.1
MANUFACTURING, TOTAL	84.83	2	152.9	153.4	154.8	156.3	156.2	157.9
NON-DURABLE MANUFACTURES	45.74	2	158.6	158.9	158.4	159.7	160.3	161.0
Foods and beverages	11.83	4	155.9	157.7	154.2	153.8	155.5	157.0
Foods	8.99	4	154.0	155.3	149.5	148.7	152.8	154.4
Meat products	1.62	4	166.6	166.5	160.5	162.2	166.4	162.3
Dairy products	1.40	3	156.4	159.3	156.1	158.0	160.8	161.2
Canning and processing	1.40	4	153.9	179.7	147.6	141.0	151.1	161.3
Grain mill products	1.00	4	140.4	146.3	141.5	134.6	137.3	140.8
Bakery products	1.73	3	156.1	149.4	147.9	148.7	149.8	148.9
Miscellaneous foods	1.83	4	146.3	134.3	141.9	143.1	147.0	149.7
Beverages	2.85	6	162.0	165.3	169.2	170.1	164.0	164.9
Carbonated beverages	0.72	5	166.5	174.6	167.0	179.4	152.8	172.6
Breweries	1.44	6	142.4	151.9	152.0	149.5	154.6	148.0
Distilleries	0.63	6	202.3	187.5	214.5	210.7	201.5	197.7
Tobacco and tobacco products	0.77	6	206.3	177.3	203.0	191.7	205.6	197.1
Rubber products	1.33	3	146.3	154.3	150.5	153.4	159.5	150.2
Leather products	1.58	2	126.9	127.2	121.8	126.1	125.9	129.2
Boots and shoes	0.95	3	136.3	140.6	133.4	136.1	136.7	142.0

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Propor- tions	MCD	1961					
			JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
Textiles	5.04	3	137.0	142.3	128.7	138.9	138.0	137.0
Cotton goods	1.57	4	97.5	110.0	96.8	97.8	109.5	106.5
Wool goods	0.93	3	91.5	85.9	72.2	86.3	79.3	73.8
Synthetic textiles & silk	1.33	3	222.2	231.5	205.0	232.0	219.6	222.5
Clothing	5.59	3	106.6	109.7	107.1	109.2	112.4	111.5
Men's, women's and children's clothing	3.45	3	106.6	109.2	107.9	110.0	116.4	115.6
Knitting mills	1.22	2	99.2	107.3	100.3	103.1	100.8	100.1
Paper products	8.22	3	156.2	156.6	156.8	157.2	156.9	157.8
Pulp and paper	6.54	3	152.6	154.0	153.7	156.3	154.8	156.2
Printing publishing and allied industries	3.95	4	140.7	143.4	148.7	151.1	154.0	151.4
Products of petroleum and coal	1.59	3	259.9	224.5	276.2	272.3	254.5	266.8
Petroleum products	1.41	3	279.2	239.1	298.0	293.2	273.7	287.6
Chemicals & allied products	4.22	2	231.3	230.0	227.4	223.0	221.3	224.2
Acids, alkalies, salts and fertilizers	1.07	2	290.1	284.3	283.5	280.1	277.2	277.0
Miscellaneous manufactures	1.62	1	210.9	213.2	216.4	220.7	224.6	228.4
DURABLE MANUFACTURES	39.09	2	146.2	146.9	150.6	152.5	151.4	154.4
Wood products	6.54	2	136.6	141.4	135.8	140.9	135.1	146.2
Saw and planing mills	4.48	3	144.2	150.9	142.7	149.6	140.9	156.8
Veneers and plywoods	0.38	3	312.3	334.1	312.3	329.8	248.6	316.2
Sawmills	3.08	4	129.7	135.9	126.5	134.4	132.4	147.4
Furniture	1.43	1	140.5	141.4	141.7	142.4	142.1	142.1
Iron and steel products	12.49	2	138.7	140.0	146.0	144.5	139.6	137.5
Machinery	2.64	1	127.5	131.1	131.1	133.2	132.2	130.8
Iron castings	1.20	3	151.1	144.3	176.2	165.4	142.8	126.7
Primary iron and steel	2.62	3	183.4	180.1	196.3	193.9	182.9	177.0
Sheet metal products	1.11	1	141.5	141.1	139.6	138.3	139.2	141.0
Transportation equipment	8.23	4	126.1	127.9	138.0	140.7	142.1	143.6
Aircraft and parts	0.63	1	271.1	262.4	258.7	266.6	274.1	279.7
Motor vehicles	3.21	4	154.8	155.1	173.2	180.0	185.2	186.0
Motor vehicle parts	1.43	1	108.9	119.5	133.6	124.0	120.0	125.0
Railway rolling stock	1.93	1	44.2	46.6	49.4	50.2	47.9	47.3
Shipbuilding and repairs	0.81	1	136.5	137.4	138.2	146.5	147.7	147.4

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	MCD	SEASONALLY ADJUSTED					
			1961					
			JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
Non-ferrous metal products	4.97	3	145.8	140.4	141.5	144.5	149.4	156.2
Brass and copper products	0.75	1	122.3	123.7	124.5	128.0	128.3	131.5
Smelting and refining	3.19	3	163.5	155.3	156.2	159.8	167.7	176.5
Electrical apparatus and supplies	4.40	2	177.3	179.6	180.3	186.4	187.6	191.4
Heavy electrical machinery	1.52	1	124.6	126.4	127.6	126.6	130.0	130.5
Telecommunication equipment	0.44	2	409.4	434.8	404.9	439.3	446.0	466.4
Refrigerators and appliances	0.71	3	178.6	166.6	181.7	189.2	177.9	185.0
Non-metallic mineral products	2.46	2	221.5	215.2	221.0	219.7	225.4	228.0
Concrete products	0.30	4	579.6	525.1	577.8	556.2	571.0	573.1
Hydraulic cement	0.36	4	232.4	211.1	214.8	228.0	219.8	210.3
Domestic clay products	0.24	3	154.8	153.8	146.4	154.3		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	323.5	325.0	331.0	332.9	330.4	321.8
Electric power	4.60	2	298.8	301.3	304.7	303.4	305.6	302.3
Gas	0.51	3	545.3	537.3	566.8	598.0	553.1	496.4

TABLE II. Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	SEPT.	OCT.	NOV.	SEPT.	OCT.	NOV.
INDUSTRIAL PRODUCTION, TOTAL	166.2	167.5	170.0	171.5	170.9	181.2	183.5	184.3
MINING, TOTAL	251.1	253.3	264.7	253.4	252.1	286.3	280.9	283.2
Metals	201.3	197.9	207.4	202.2	188.7	198.8	198.4	185.8
Gold	108.4	111.2	107.5	117.5	114.6	100.2	104.9	107.1
Copper	151.5	168.7	160.0	162.2	176.2	171.8	184.1	182.2
Iron ore	448.9	406.3	637.1	473.0	222.0	565.4	525.3	218.3
Nickel	144.8	166.9	172.4	165.3	167.6	200.7	203.1	213.8
Non-metals	191.4	192.6	212.3	207.8	227.3	229.7	236.1	240.4
Asbestos	193.5	201.4	224.9	211.3	236.9	235.0	243.1	252.6
Fuels	363.1	380.2	376.5	351.1	378.5	457.3	436.3	479.7
Coal	51.9	53.3	62.6	64.7	70.4	52.8	63.7	63.2
Natural gas	503.9	589.2	485.3	571.9	690.4	604.3	689.8	827.2
Petroleum	873.7	909.9	895.0	811.0	865.3	1124.8	1038.4	1145.8
MANUFACTURING, TOTAL	150.0	149.5	152.1	154.7	152.5	161.7	164.0	163.2
NON-DURABLE MANUFACTURES	150.4	152.5	160.4	163.0	160.1	168.6	170.7	168.6
Foods and beverages	148.0	150.7	168.1	175.2	163.6	174.1	179.8	170.9
Foods	145.0	147.1	167.0	171.3	158.0	171.5	180.0	164.8
Meat products	168.1	156.5	153.7	163.5	168.6	168.9	178.2	183.4
Dairy products	146.7	152.8	166.9	151.6	134.4	174.4	157.7	139.6
Canning and processing	142.4	150.6	246.3	252.7	170.4	249.8	271.2	180.5
Grain mill products	132.4	132.5	140.9	141.9	141.3	139.1	142.3	150.3
Bakery products	142.0	143.9	150.8	149.4	147.6	153.0	155.0	152.9
Miscellaneous foods	135.0	142.9	147.9	167.9	176.1	146.9	172.9	174.6
Beverages	157.4	161.7	171.5	187.5	181.3	182.3	179.2	190.1
Carbonated beverages	162.3	164.8	170.3	169.0	159.7	186.0	143.0	150.3
Breweries	141.9	146.4	132.3	144.4	152.4	145.0	147.2	156.3
Distilleries	190.3	194.8	245.9	302.2	278.1	253.0	286.1	320.3
Tobacco and tobacco products	179.9	182.0	202.7	195.2	196.7	204.7	207.7	209.1
Rubber products	161.1	143.3	148.3	142.2	152.6	164.1	167.8	167.5
Leather products	120.3	111.8	122.5	115.2	114.9	133.0	128.7	131.8
Boots and shoes	131.6	123.7	137.5	126.0	120.8	143.6	136.2	139.2

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	SEPT.	OCT.	NOV.	SEPT.	OCT.	NOV.
Textiles	124.4	122.5	123.0	127.5	127.1	144.5	144.4	145.9
Cotton goods	94.2	89.6	90.6	96.4	98.8	107.6	114.8	113.4
Wool goods	84.8	78.5	81.9	84.5	81.1	90.6	84.9	83.0
Synthetic textiles and silk	181.1	187.6	186.5	192.5	190.2	236.9	229.5	238.1
Clothing	113.1	109.0	113.7	110.0	108.6	114.9	114.4	111.3
Men's, women's and children's clothing	109.9	109.4	115.4	108.6	105.6	116.8	116.7	111.2
Knitting mills	116.6	103.1	106.2	108.4	111.3	107.2	105.2	108.3
Paper products	145.9	150.3	152.4	158.1	160.2	157.6	164.8	165.0
Pulp and paper	141.8	148.2	148.5	155.6	160.1	154.7	162.7	164.0
Printing publishing and allied industries	143.2	146.5	147.1	152.7	156.6	153.3	157.1	156.2
Products of petroleum and coal	241.5	250.6	252.2	244.8	254.0	281.3	253.3	272.2
Petroleum products	259.1	269.8	272.4	263.6	274.7	303.8	272.6	293.6
Chemicals and allied products	208.4	222.3	234.5	231.4	219.8	231.8	229.0	223.9
Acids, alkalies, salts and fertilizers	246.9	270.7	277.6	276.3	272.4	280.1	279.4	276.2
Miscellaneous manufactures	183.2	191.6	199.3	205.4	207.4	227.8	236.5	240.0
DURABLE MANUFACTURES	149.5	145.9	142.3	145.1	143.5	153.6	156.1	156.9
Wood products	136.6	135.6	141.0	132.2	118.6	149.8	138.9	130.4
Saw and planing mills	140.5	141.8	146.4	134.2	116.4	159.1	142.8	131.3
Veneers and plywoods	252.3	267.1	243.9	240.1	258.2	330.1	293.4	309.2
Sawmills	126.1	132.7	139.5	123.3	96.8	143.9	126.4	109.7
Furniture	146.3	139.4	148.0	148.1	144.6	151.4	152.2	150.3
Iron and steel products	147.2	136.4	135.6	135.3	134.5	150.4	144.7	140.2
Machinery	135.9	133.6	130.5	130.4	129.2	133.6	134.6	133.2
Iron castings	157.5	142.0	142.5	139.3	168.0	169.4	138.9	124.4
Primary iron and steel	167.7	162.1	161.0	166.4	159.4	191.4	188.9	179.8
Sheet metal products	149.6	143.5	155.8	151.3	144.3	153.1	148.8	143.0
Transportation equipment	131.5	129.9	96.3	117.1	129.3	110.4	134.1	151.8
Aircraft and parts	249.4	238.4	236.7	245.6	253.5	263.1	272.2	280.5
Motor vehicles	148.8	159.0	84.0	133.2	164.7	108.0	166.7	210.2
Motor vehicle parts	132.9	118.8	104.3	111.6	110.6	116.2	118.0	122.5
Railway rolling stock	61.5	52.9	51.5	51.0	49.8	49.2	48.4	47.3
Shipbuilding and repairs	144.8	141.9	133.6	130.1	126.5	145.0	144.7	140.0

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1960			1961		
	1959	1960	SEPT.	OCT.	NOV.	SEPT.	OCT.	NOV.
Non-ferrous metal products	134.7	148.3	151.3	151.0	151.2	146.5	152.1	158.4
Brass and copper products	119.3	115.2	115.2	113.8	113.7	131.2	132.1	131.8
Smelting and refining	145.7	168.7	172.5	171.3	171.7	160.6	168.7	177.9
Electrical apparatus and supplies	184.8	179.1	185.2	183.6	176.5	200.6	202.0	204.2
Heavy electrical machinery	142.5	132.1	131.1	127.9	123.2	130.6	133.9	133.0
Telecommunication equipment	420.7	398.6	469.6	466.1	439.2	532.0	547.3	544.7
Refrigerators and appliances	181.3	176.6	161.7	166.0	159.6	189.6	174.3	190.5
Non-metallic mineral products	223.2	210.6	237.9	241.4	228.7	255.4	260.4	242.3
Concrete products	534.2	511.9	660.6	649.7	599.5	735.3	729.7	618.9
Hydraulic cement	221.8	203.8	261.7	275.7	222.6	286.1	274.1	217.0
Domestic clay products	170.2	152.8	147.6	154.0	144.3	175.9		
ELECTRIC POWER AND GAS UTILITIES	268.7	298.0	281.4	289.3	317.0	298.4	315.1	339.3
Electric power	263.3	287.4	284.4	286.9	302.6	294.3	304.4	318.0
Gas	316.6	392.7	254.3	311.2	445.9	334.9	411.5	530.6

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)



Industrial production continued to expand in December.



Prepared in the Industrial Output Section
National Accounts Division

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Canada's seasonally adjusted index of industrial production advanced by 0.7% in December, to 180.5, with the main strength coming from a 1.4% increase in manufacturing output. Electric power and gas utilities also rose, by 1%, but the mining group fell by almost 3% from its high November level. With the latest advance the total index of industrial production is now at a level some 9% higher than in the early months of 1961.

A 2.2% increase in non-durable manufacturing output in December reflected for the most part unusually large gains in foods and beverages (+3%), rubber products (+13%), and textiles (+9%). More moderate increases occurred in paper products, leather products, clothing and miscellaneous manufactures. Tobacco and petroleum products showed slight declines with chemicals production unchanged.

The slight gain in durable manufacturing output was accounted for by increased lumber production which pushed the wood products index up a further 4%, and a similar increase in electrical apparatus and supplies, reflecting higher production of telecommunication equipment. The drop in transportation equipment reflected for the most part reduced output of motor vehicles and parts.

Declines of 1% and 6% respectively in metal mining and fuel mining were partially offset by higher output of non-metals. Within the metals group, the large increase in iron ore was offset by the continued decline of uranium, although nickel output fell 9% and both copper and lead were also lower. In fuels, the 10% gain in the natural gas component (reflecting increased exports to the United States) was more than offset by a 7% decline in crude petroleum mining.

With December figures available, it is now possible to compare on a preliminary basis, the year 1961 as a whole with the preceding year. In this comparison, the following percentage changes are indicated; total industrial production (+2.9%), total mining (+3.9%), total manufacturing (+2.1%), non-durables (+3.5%), durables (+0.5%), and electric power and gas utilities (+6.6%).

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502. "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use these monthly bulletins along with the above-noted reference document (for 1935 to 1956 inclusive) and Table VI of the April issue of the Canadian Statistical Review (1957 to 1960 inclusive).
4. The M.C.D. (months for cyclical dominance) measure indicates the number of months required on average for the emergence of the cyclical trend from the seasonally adjusted series. An M.C.D. of 4 implies that a four month moving average of the series (dated at the second month) is required in order to offset irregular movements and allow examination of the underlying cyclical trend. The seasonally adjusted series in these bulletins are not adjusted for M.C.D.

TABLE I. Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961					
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	172.2	175.1	177.4	177.2	179.3	180.5
MINING, TOTAL	10.07	2	253.0	267.2	275.9	276.1	284.8	276.5
Metals	5.97	2	177.5	177.6	185.4	189.7	188.3	185.9
Gold	1.93	5	102.9	106.3	102.8	101.3	102.6	107.9
Copper	1.10	4	175.1	173.6	163.6	188.8	179.5	171.8
Iron ore	0.31	4	301.3	328.8	309.0	358.1	272.9	433.3
Nickel	1.05	4	192.9	181.9	201.9	206.8	215.3	195.8
Non-metals	0.85	5	206.9	216.1	207.8	210.7	204.6	220.3
Asbestos	0.59	4	219.8	228.2	212.5	214.2	207.7	223.0
Fuels	2.84	3	417.0	456.8	470.8	461.6	496.1	466.5
Coal	1.72	6	52.3	46.8	51.3	52.1	48.9	49.0
Natural gas	0.11	2	761.8	781.3	755.4	734.6	714.3	785.0
Petroleum	1.02	3	996.0	1114.5	1148.9	1123.8	1228.1	1137.4
MANUFACTURING, TOTAL	84.83	2	153.4	154.8	156.3	156.2	158.2	160.4
NON-DURABLE MANUFACTURES	45.74	2	158.9	158.4	159.7	160.2	161.5	165.1
Foods and beverages	11.83	4	157.7	154.2	153.8	155.5	157.4	162.1
Foods	8.99	4	155.3	149.5	148.7	152.8	155.0	158.2
Meat products	1.62	4	166.5	160.5	162.2	166.4	162.3	155.3
Dairy products	1.40	3	159.3	156.1	158.0	160.8	162.6	166.1
Canning and processing	1.40	4	179.7	147.6	141.0	151.1	165.2	178.3
Grain mill products	1.00	4	146.3	141.5	134.6	137.3	140.4	146.3
Bakery products	1.73	3	149.4	147.9	148.7	149.8	149.0	150.3
Miscellaneous foods	1.83	4	134.3	141.9	143.1	147.0	148.5	153.3
Beverages	2.85	6	165.3	169.2	170.1	164.0	165.2	174.5
Carbonated beverages	0.72	5	174.6	167.0	179.4	152.8	172.6	173.6
Breweries	1.44	6	151.9	152.0	149.5	154.6	148.0	156.4
Distilleries	0.63	6	187.5	214.5	210.7	201.5	197.7	220.9
Tobacco and tobacco products	0.77	6	177.3	203.0	191.7	205.6	197.1	193.3
Rubber products	1.33	3	154.3	150.5	153.4	159.5	150.2	170.3
Leather products	1.58	2	127.2	121.8	126.1	125.9	129.3	130.1
Boots and shoes	0.95	3	140.6	133.4	136.1	136.7	142.0	141.7

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	MCD	SEASONALLY ADJUSTED					
			1961					
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Textiles	5.04	3	142.3	128.7	138.9	138.0	137.8	149.5
Cotton goods	1.57	4	110.0	96.8	97.8	109.5	106.5	109.7
Wool goods	0.93	3	85.9	72.2	86.3	79.5	78.7	80.6
Synthetic textiles & silk	1.33	3	231.5	205.0	232.0	219.6	221.2	258.8
Clothing	5.59	3	109.7	107.1	109.2	111.6	113.1	115.4
Men's, women's and children's clothing	3.45	3	109.2	107.9	110.0	114.9	116.5	117.6
Knitting mills	1.22	2	107.3	100.3	103.1	101.6	104.1	110.9
Paper products	8.22	3	156.6	156.8	157.2	156.9	158.0	159.4
Pulp and paper	6.54	3	154.0	153.7	156.3	154.8	156.3	157.5
Printing publishing and allied industries	3.95	4	143.4	148.7	151.1	154.0	151.7	151.2
Products of petroleum and coal	1.59	3	224.5	276.2	272.3	254.5	266.8	265.3
Petroleum products	1.41	3	239.1	298.0	293.2	273.7	287.6	285.8
Chemicals & allied products	4.22	2	230.0	227.4	223.0	221.2	225.4	225.5
Acids, alkalies, salts and fertilizers	1.07	2	284.3	283.5	280.1	277.2	279.4	281.3
Miscellaneous manufactures	1.62	1	213.2	216.4	220.7	224.6	228.6	231.5
DURABLE MANUFACTURES	39.09	2	146.9	150.6	152.5	151.5	154.4	154.9
Wood products	6.54	2	141.4	135.8	140.9	135.0	146.3	151.5
Saw and planing mills	4.48	3	150.9	142.7	149.6	140.8	156.8	164.0
Veneers and plywoods	0.38	3	334.1	312.3	329.8	248.6	316.2	315.6
Sawmills	3.08	4	135.9	126.5	134.4	132.4	147.4	157.5
Furniture	1.43	1	141.4	141.7	142.4	141.8	142.4	143.9
Iron and steel products	12.49	2	140.0	146.0	144.5	139.6	137.5	138.0
Machinery	2.64	1	131.1	131.1	133.2	132.2	131.2	131.8
Iron castings	1.20	3	144.3	176.2	165.4	142.8	126.7	120.0
Primary iron and steel	2.62	3	180.1	196.3	193.9	182.9	177.1	177.5
Sheet metal products	1.11	1	141.1	139.6	138.3	139.2	140.8	140.9
Transportation equipment	8.23	4	127.9	138.0	140.7	142.2	143.8	138.7
Aircraft and parts	0.63	1	262.4	258.7	266.6	274.1	279.7	281.7
Motor vehicles	3.21	4	155.1	173.2	180.0	185.2	186.0	177.1
Motor vehicle parts	1.43	1	119.5	133.6	124.0	120.0	123.5	115.8
Railway rolling stock	1.93	1	46.6	49.4	50.2	47.9	47.9	46.8
Shipbuilding and repairs	0.81	1	137.4	138.2	146.5	147.8	150.8	148.9

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	MCD	SEASONALLY ADJUSTED					
			1961					
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Non-ferrous metal products	4.97	3	140.4	141.5	144.5	149.6	155.4	151.7
Brass and copper products	0.75	1	123.7	124.5	128.0	128.3	128.9	125.2
Smelting and refining	3.19	3	155.3	156.2	159.8	167.9	176.5	171.4
Electrical apparatus and supplies	4.40	2	179.6	180.3	186.4	187.9	192.8	200.7
Heavy electrical machinery	1.52	1	126.4	127.6	126.6	130.2	131.2	130.5
Telecommunication equipment	0.44	2	434.8	404.9	439.3	447.8	472.3	551.8
Refrigerators and appliances	0.71	3	166.6	181.7	189.2	178.5	186.0	187.9
Non-metallic mineral products	2.46	2	215.2	221.0	219.7	225.3	226.5	228.5
Concrete products	0.30	4	525.1	577.8	556.2	571.0	573.1	600.4
Hydraulic cement	0.36	4	211.1	214.8	228.0	219.8	210.3	205.7
Domestic clay products	0.24	3	153.8	146.4	154.3			
ELECTRIC POWER AND GAS UTILITIES	5.11	2	325.0	331.0	332.9	330.4	321.8	325.5
Electric power	4.60	2	301.3	304.7	303.4	305.6	302.3	304.4
Gas	0.51	3	537.3	566.8	598.0	553.1	496.4	514.4

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960			1961		
	1959	1960	OCT.	NOV.	DEC.	OCT.	NOV.	DEC.
INDUSTRIAL PRODUCTION, TOTAL	166.2	167.5	171.5	170.9	159.6	183.4	184.6	174.1
MINING, TOTAL	251.1	253.3	253.4	252.1	241.1	280.6	283.1	269.3
Metals	201.3	197.9	202.2	188.7	181.7	198.5	185.9	171.1
Gold	108.4	111.2	117.5	114.6	110.6	105.3	107.5	106.4
Copper	151.6	168.7	162.2	176.2	169.2	184.1	182.2	165.3
Iron ore	448.9	406.3	473.0	222.0	198.4	525.3	218.3	182.0
Nickel	144.8	166.9	165.3	167.6	176.4	203.1	213.8	188.0
Non-metals	191.4	192.6	207.8	227.3	185.0	236.1	240.4	206.4
Asbestos	193.5	201.4	211.3	236.9	193.9	243.1	252.6	214.1
Fuels	363.1	380.2	351.1	378.5	391.3	436.3	479.9	497.6
Coal	51.9	53.3	64.7	70.4	51.8	63.7	63.2	57.6
Natural gas	503.9	589.2	571.9	690.4	839.5	689.8	832.9	1036.2
Petroleum	873.7	909.9	811.0	865.3	916.6	1038.4	1145.8	1182.9
MANUFACTURING, TOTAL	150.0	149.5	154.7	152.5	139.6	164.0	163.6	151.9
NON-DURABLE MANUFACTURES	150.4	152.5	163.0	160.1	144.5	170.6	169.2	155.8
Foods and beverages	148.0	150.7	175.2	163.6	137.1	179.8	171.4	148.2
Foods	145.0	147.1	171.3	158.0	136.5	180.0	165.4	146.7
Meat products	168.1	156.5	163.5	168.6	135.8	178.2	183.4	145.5
Dairy products	146.7	152.8	151.6	134.4	130.4	157.7	140.8	137.2
Canning and processing	142.4	150.6	252.7	170.4	134.5	271.2	185.5	155.5
Grain mill products	132.4	132.5	141.9	141.3	126.7	142.3	149.9	139.2
Bakery products	142.0	143.9	149.4	147.6	142.4	155.0	152.9	147.8
Miscellaneous foods	135.0	142.9	167.9	176.1	143.3	172.9	173.2	151.2
Beverages	157.4	161.7	187.5	181.3	138.9	179.2	190.3	152.9
Carbonated beverages	162.3	164.8	169.0	159.7	149.1	143.0	150.3	167.0
Breweries	141.9	146.4	144.4	152.4	129.6	147.2	156.3	135.0
Distilleries	190.3	194.8	302.2	278.1	151.3	286.1	320.3	182.0
Tobacco and tobacco products	179.9	182.0	195.2	196.7	182.6	207.7	209.1	175.9
Rubber products	161.1	143.3	142.2	152.6	125.3	167.8	167.5	155.8
Leather products	120.3	111.8	115.2	114.9	105.0	128.7	132.0	118.9
Boots and shoes	131.6	123.7	126.0	120.8	108.3	136.2	139.2	121.0

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT								
	Annual Average		1960			1961			
	1959	1960	OCT.	NOV.	DEC.	OCT.	NOV.	DEC.	
Textiles	124.4	122.5	127.5	127.1	122.2	114.4	114.8	112.5	
Cotton goods	94.2	89.6	96.4	98.8	91.6	114.8	113.4	102.6	
Wool goods	84.8	78.5	84.5	81.1	74.6	85.1	88.5	78.2	
Synthetic textiles and silk	181.1	187.6	192.5	190.2	187.7	229.5	236.7	242.0	
Clothing	113.1	109.0	110.0	108.6	102.6	113.7	112.9	107.7	
Men's, women's and children's clothing	109.9	109.4	108.6	105.6	99.7	115.2	112.1	106.4	
Knitting mills	116.6	103.1	108.4	111.3	104.2	106.1	112.6	107.6	
Paper products	145.9	150.3	158.1	160.2	139.9	164.8	165.2	148.7	
Pulp and paper	141.8	148.2	155.6	160.1	136.6	162.7	164.1	145.4	
Printing publishing and allied industries	143.2	146.5	152.7	156.6	146.3	157.1	156.5	151.2	
Products of petroleum and coal	241.5	250.6	244.8	254.0	248.3	253.3	272.2	267.9	
Petroleum products	259.1	269.8	263.6	274.7	269.0	272.6	293.6	289.8	
Chemicals and allied products	208.4	222.3	231.4	219.8	207.4	228.8	225.1	212.7	
Acids, alkalies, salts and fertilizers	246.9	270.7	276.3	272.4	271.4	279.4	278.6	280.7	
Miscellaneous manufactures	183.2	191.6	205.4	207.4	200.3	236.5	240.3	234.5	
DURABLE MANUFACTURES	149.5	145.9	145.1	143.5	133.9	156.2	156.9	147.3	
Wood products	136.6	135.6	132.2	118.6	116.9	138.8	130.6	127.7	
Saw and planing mills	140.5	141.8	134.2	116.4	116.3	142.8	131.3	129.0	
Veneers and plywoods	252.3	267.1	240.1	258.2	238.5	293.4	309.2	286.9	
Sawmills	126.1	132.7	123.3	96.8	102.1	126.4	109.7	111.8	
Furniture	146.3	139.4	148.1	144.6	138.5	151.9	150.7	145.9	
Iron and steel products	147.2	136.4	135.3	134.5	121.6	144.6	140.1	127.3	
Machinery	135.9	133.6	130.4	129.2	126.1	134.6	133.6	131.8	
Iron castings	157.5	142.0	139.3	168.0	151.8	138.9	124.4	111.5	
Primary iron and steel	167.7	162.1	166.4	159.4	128.5	188.9	179.9	155.3	
Sheet metal products	149.6	143.5	151.3	144.3	135.4	148.8	142.8	134.6	
Transportation equipment	131.5	129.9	117.1	129.3	127.6	134.1	151.9	144.2	
Aircraft and parts	249.4	238.4	245.6	253.5	260.9	272.2	280.5	284.8	
Motor vehicles	148.8	159.0	133.2	164.7	160.8	166.7	210.2	191.3	
Motor vehicle parts	132.9	118.8	111.6	110.6	110.9	118.0	121.0	119.3	
Railway rolling stock	61.5	52.9	51.0	49.8	47.7	48.4	47.9	46.8	
Shipbuilding and repairs	144.8	141.9	130.1	126.5	122.9	144.8	143.3	141.5	

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960			1961		
	1959	1960	OCT.	NOV.	DEC.	OCT.	NOV.	DEC.
Non-ferrous metal products	134.7	148.3	151.0	151.2	148.7	152.3	157.6	152.3
Brass and copper products	119.3	115.2	113.8	113.7	111.7	132.1	129.2	125.2
Smelting and refining	145.7	168.7	171.3	171.7	169.9	168.9	177.9	171.9
Electrical apparatus and supplies	184.8	179.1	183.6	176.5	164.5	202.3	205.7	197.3
Heavy electrical machinery	142.5	132.1	127.9	123.2	119.0	134.1	133.7	129.7
Telecommunication equipment	420.7	398.6	466.1	439.2	363.0	549.4	551.7	522.6
Refrigerators and appliances	181.3	176.6	166.0	159.6	149.8	174.9	191.6	174.2
Non-metallic mineral products	223.2	210.6	241.4	228.7	177.0	260.3	240.7	189.6
Concrete products	534.2	511.9	649.7	599.5	364.0	729.7	618.9	407.9
Hydraulic cement	221.8	203.8	275.7	222.6	141.5	274.1	217.0	133.7
Domestic clay products	170.2	152.8	154.0	144.3	132.4			
ELECTRIC POWER AND GAS UTILITIES	268.7	298.0	289.3	317.0	332.6	315.1	339.3	356.1
Electric power	263.3	287.4	286.9	302.6	306.4	304.4	318.0	323.0
Gas	316.6	392.7	311.2	445.9	567.3	411.5	530.6	653.3

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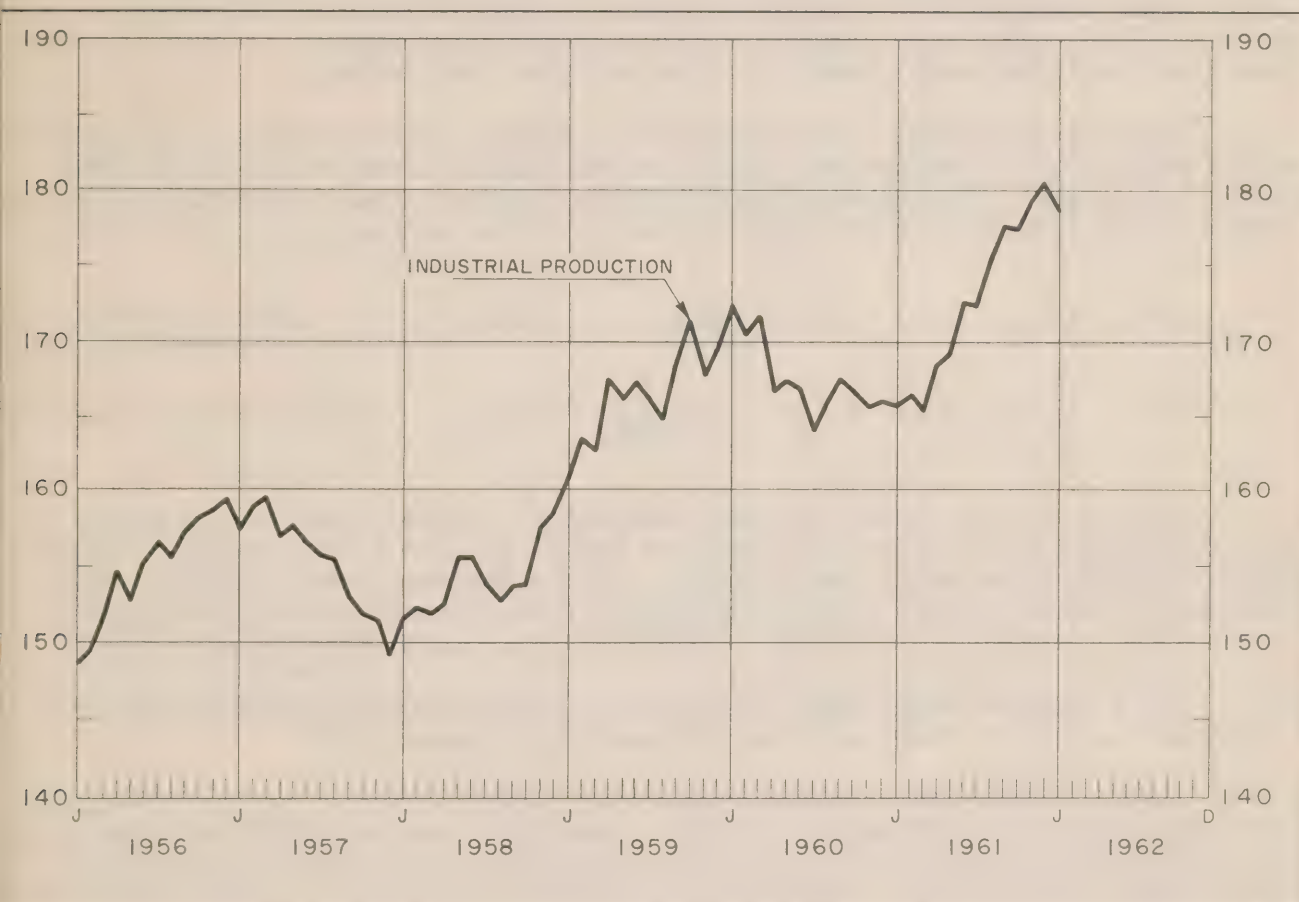
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

Canada's index of industrial production declined by 1.2% in January.



Prepared in the Industrial Output Section
National Accounts Division

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Canada's index of industrial production declined by 1.2 per cent to 178.6 in January, following the virtually uninterrupted expansion since March of 1961. Although mining output was lower by slightly more than 1%, the bulk of the weakness occurred in manufacturing, which was off by 1.7%. The durable groups accounted for about two-thirds of the manufacturing decline with non-durables accounting for the remainder. Electric power and gas utilities were up about 3% during the month.

All six durable major groups were off during the month, with declines ranging up to 5% in both wood products and non-metallic mineral products. The former was a return to the levels of the third quarter after the relatively high months of November and December. With primary iron and steel and iron castings output both significantly lower in January, total iron and steel was down by 2%. Total transportation equipment was down 2% in spite of gains in most component industries. This was due to a 7% drop in motor vehicles output. Declines of 1% also occurred in non-ferrous metal products and electrical apparatus and supplies.

Non-durable manufacturing was down 1% in January. Foods and beverages were 2% lower than the high December level. Other declines occurred in leather products (-1%), paper products (-3%), reflecting lower output in the pulp and paper industry, textiles (-4%), and rubber products (-11%). Small gains were registered in petroleum products, chemicals, clothing and printing and publishing.

The drop in mining, recorded in spite of gains of 4% and 8% respectively in metals and non-metals output, was due to substantially lower output in the fuel mining industries. Although each fuel industry component was lower, the setback was almost entirely the result of reduced crude petroleum mining.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use these monthly bulletins along with the above-noted reference document (for 1935 to 1956 inclusive) and Table VI of the April issue of the Canadian Statistical Review (1957 to 1960 inclusive).

4. The M.C.D. (months for cyclical dominance) measure indicates the number of months required on average for the emergence of the cyclical trend from the seasonally adjusted series. An M.C.D. of 4 implies that a four month moving average of the series (dated at the second month) is required in order to offset irregular movements and allow examination of the underlying cyclical trend. The seasonally adjusted series in these bulletins are not adjusted for M.C.D.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	1961						
	Proportions	MCD	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	175.1	177.4	177.2	179.2	180.7	178.6
MINING, TOTAL	10.07	2	267.2	275.9	276.1	282.5	276.6	273.5
Metals	5.97	2	177.6	185.4	189.7	188.0	185.1	193.3
Gold	1.93	5	106.3	102.8	101.3	102.6	107.9	100.9
Copper	1.10	4	173.6	163.6	188.8	179.5	171.8	157.9
Iron ore	0.31	4	328.8	309.0	358.1	272.9	433.3	534.7
Nickel	1.05	4	181.9	201.9	206.8	215.3	195.8	196.2
Non-metals	0.85	5	216.1	207.8	210.7	204.6	220.3	237.4
Asbestos	0.59	4	228.2	212.5	214.2	207.7	223.0	254.3
Fuels	2.84	3	456.8	470.8	461.6	496.2	466.0	438.0
Coal	1.72	6	46.8	51.3	52.1	48.9	49.0	47.0
Natural gas	0.11	2	781.3	755.4	734.6	717.0	771.2	754.4
Petroleum	1.02	3	1114.5	1148.9	1123.8	1228.1	1137.4	1064.5
MANUFACTURING, TOTAL	84.83	2	154.8	156.3	156.2	158.3	160.6	157.9
NON-DURABLE MANUFACTURES	45.74	2	158.4	159.7	160.2	161.5	165.0	163.3
Foods and beverages	11.83	4	154.2	153.8	155.5	157.5	161.7	159.2
Foods	8.99	4	149.5	148.7	152.8	155.0	157.7	156.4
Meat products	1.62	4	160.5	162.2	166.4	162.3	155.3	154.9
Dairy products	1.40	3	156.1	158.0	160.8	162.6	166.7	158.8
Canning and processing	1.40	4	147.6	141.0	151.1	165.4	172.6	179.2
Grain mill products	1.00	4	141.5	134.6	137.3	140.4	146.2	140.1
Bakery products	1.73	3	147.9	148.7	149.8	149.3	151.1	147.0
Miscellaneous foods	1.83	4	141.9	143.1	147.0	148.2	153.9	156.3
Beverages	2.85	6	169.2	170.1	164.0	165.2	174.5	168.1
Carbonated beverages	0.72	5	167.0	179.4	152.8	172.6	173.6	180.1
Breweries	1.44	6	152.0	149.5	154.6	148.0	156.4	134.3
Distilleries	0.63	6	214.5	210.7	201.5	197.7	220.9	234.4
Tobacco and tobacco products	0.77	6	203.0	191.7	205.6	197.1	193.3	212.4
Rubber products	1.33	3	150.5	153.4	159.5	150.2	170.3	151.9
Leather products	1.58	2	121.8	126.1	125.9	129.4	130.3	129.1
Boots and shoes	0.95	3	133.4	136.1	136.7	142.0	141.7	138.6

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949 Proportions	MCD	1961					1962
			AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.
Textiles	5.04	3	128.7	138.9	138.0	137.8	149.4	143.6
Cotton goods	1.57	4	96.8	97.8	109.5	106.5	109.7	106.5
Wool goods	0.93	3	72.2	86.3	79.5	78.7	80.6	82.3
Synthetic Textiles & silk	1.33	3	205.0	232.0	219.6	221.2	258.8	240.1
Clothing	5.59	3	107.1	109.2	111.6	113.1	114.6	115.8
Men's, women's and children's clothing	3.45	3	107.9	110.0	114.9	116.0	116.9	119.4
Knitting mills	1.22	2	100.3	103.1	101.6	104.4	108.8	106.7
Paper products	8.22	3	156.8	157.2	156.9	157.9	159.2	155.2
Pulp and paper	6.54	3	153.7	156.3	154.8	156.3	157.5	153.5
Printing publishing and allied industries	3.95	4	148.7	151.1	154.0	151.7	151.6	152.8
Products of petroleum and coal	1.59	3	276.2	272.3	254.5	266.8	265.3	268.3
Petroleum products	1.41	3	298.0	293.2	273.7	287.6	285.8	
Chemicals & allied products	4.22	2	227.4	223.0	221.2	225.4	226.7	228.8
Acids, alkalies, salts and fertilizers	1.07	2	283.5	280.1	277.2	279.4	284.2	286.3
Miscellaneous manufactures	1.62	1	216.4	220.7	224.6	229.3	230.5	231.1
DURABLE MANUFACTURES	39.09	2	150.6	152.5	151.5	154.6	155.4	151.5
Wood products	6.54	2	135.8	140.9	135.0	146.2	150.0	143.0
Saw and planing mills	4.48	3	142.7	149.6	140.8	156.8	162.0	151.1
Veneers and plywoods	0.38	3	312.3	329.8	248.6	316.2	315.6	307.9
Sawmills	3.08	4	126.5	134.4	132.4	147.4	154.0	138.8
Furniture	1.43	1	141.7	142.4	141.8	142.2	143.9	145.1
Iron and steel products	12.49	2	146.0	144.5	139.6	138.2	139.0	135.8
Machinery	2.64	1	131.1	133.2	132.2	131.1	132.1	132.7
Iron castings	1.20	3	176.2	165.4	142.8	126.7	120.0	93.7
Primary iron and steel	2.62	3	196.3	193.9	182.9	177.1	177.5	168.3
Sheet metal products	1.11	1	139.6	138.3	139.2	140.3	142.9	148.4
Transportation equipment	8.23	4	138.0	140.7	142.2	143.8	139.7	137.3
Aircraft and parts	0.63	1	258.7	266.6	274.1	279.7	281.5	286.2
Motor vehicles	3.21	4	173.2	180.0	185.2	186.0	177.1	165.2
Motor vehicle parts	1.43	1	133.6	124.0	120.0	123.5	117.6	118.3
Railway rolling stock	1.93	1	49.4	50.2	47.9	47.9	47.3	49.6
Shipbuilding and repairs	0.81	1	138.2	146.5	147.8	150.7	155.5	168.4

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961					1962	
			AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	
Non-ferrous metal products	4.97	3	141.5	144.5	149.6	155.5	151.9	150.6	
Brass and copper products	0.75	1	124.5	128.0	128.3	128.9	126.2	130.8	
Smelting and refining	3.19	3	156.2	159.8	167.9	176.5	171.4		
Electrical apparatus and supplies	4.40	2	180.3	186.4	187.9	192.5	202.0	199.8	
Heavy electrical machinery	1.52	1	127.6	126.6	130.2	131.2	134.0	136.8	
Telecommunication equipment	0.44	2	404.9	439.3	447.8	472.3	557.6	532.2	
Refrigerators and appliances	0.71	3	181.7	189.2	178.5	184.2	184.5	179.0	
Non-metallic mineral products	2.46	2	221.0	219.7	225.3	226.5	228.4	216.2	
Concrete products	0.30	4	577.8	556.2	571.0	573.1	600.4	499.3	
Hydraulic cement	0.36	4	214.8	228.0	219.8	210.3	205.7	223.5	
Domestic clay products	0.24	3	146.4	154.3	152.0				
ELECTRIC POWER AND GAS UTILITIES	5.11	2	331.0	332.9	330.4	321.8	325.5	335.5	
Electric power	4.60	2	304.7	303.4	305.6	302.3	304.4	313.9	
Gas	0.51	3	566.8	598.0	553.1	496.4	514.4		

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1960		1961	1961		1962
	1960	1961	NOV.	DEC.	JAN.	NOV.	DEC.	JAN.
INDUSTRIAL PRODUCTION, TOTAL	167.5	172.2	170.9	159.6	159.8	184.4	173.8	172.6
MINING, TOTAL	253.3	263.0	252.1	241.1	248.4	280.6	269.1	267.4
Metals	197.9	183.7	188.7	181.7	181.4	185.7	170.3	175.3
Gold	111.2	106.8	114.6	110.6	109.4	107.5	106.4	100.7
Copper	168.7	170.4	176.2	169.2	163.7	182.2	165.3	154.7
Iron ore	406.3	351.4	222.0	198.4	230.8	218.3	182.0	214.4
Nickel	166.9	183.8	167.6	176.4	169.4	213.8	188.0	194.8
Non-metals	192.6	211.7	227.3	185.0	177.8	240.4	206.4	194.1
Asbestos	201.4	223.4	236.9	193.9	187.3	252.6	214.1	208.5
Fuels	380.2	433.4	378.5	391.3	424.5	480.0	496.9	496.2
Coal	53.3	49.9	70.4	51.8	55.8	63.2	57.6	57.2
Natural gas	589.2	713.5	690.4	839.5	854.1	836.0	1018.0	1047.9
Petroleum	909.9	1051.2	865.3	916.6	1001.0	1145.8	1182.9	1178.4
MANUFACTURING, TOTAL	149.5	152.7	152.5	139.6	138.2	163.7	151.5	148.9
NON-DURABLE MANUFACTURES	152.5	157.9	160.1	144.5	143.1	169.2	155.7	152.1
Foods and beverages	150.7	154.8	163.6	137.1	123.3	171.4	147.8	130.4
Foods	147.1	152.2	158.0	136.5	127.4	165.5	146.2	133.0
Meat products	156.5	158.1	168.6	135.8	150.9	183.4	145.5	163.6
Dairy products	152.8	158.3	134.4	130.4	121.3	140.8	137.7	123.9
Canning and processing	150.6	159.3	170.4	134.5	72.3	185.8	150.1	75.9
Grain mill products	132.5	139.1	141.3	126.7	127.7	149.9	139.0	134.2
Bakery products	143.9	148.3	147.6	142.4	134.2	153.2	148.7	139.7
Miscellaneous foods	142.9	147.5	176.1	143.3	146.9	172.8	151.8	149.8
Beverages	161.7	163.2	181.3	138.9	110.3	190.3	152.9	121.9
Carbonated	164.8	164.0	159.7	149.1	135.5	150.3	167.0	144.3
Breweries	146.4	147.6	152.4	129.6	87.1	156.3	135.0	85.7
Distilleries	194.8	200.1	278.1	151.3	134.3	320.3	182.0	180.5
Tobacco and tobacco products	182.0	193.6	196.7	182.6	177.4	209.1	175.9	195.2
Rubber products	143.3	145.7	152.6	125.3	124.1	167.5	155.8	145.1
Leather products	111.8	123.8	114.9	105.0	115.0	132.0	119.1	130.1
Boots and shoes	123.7	134.3	120.8	108.3	124.9	139.2	121.0	140.8

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960		1961		1961	
	1960	1961	NOV.	DEC.	JAN.	NOV.	DEC.	JAN.
Textiles	122.5	134.6	127.1	122.2	124.7	146.8	142.4	139.4
Cotton goods	89.6	98.8	98.8	91.6	94.2	113.4	102.6	104.9
Wool goods	78.5	80.3	81.1	74.6	70.5	88.5	78.2	73.6
Synthetic textiles and silk	187.6	219.5	190.2	187.7	199.0	236.7	242.0	233.9
Clothing	109.0	108.8	108.6	102.6	108.4	112.7	107.0	114.5
Men's, women's and children's clothing	109.4	110.3	105.6	99.7	110.7	111.6	105.8	118.8
Knitting mills	103.1	101.0	111.3	104.2	101.3	113.0	105.5	105.0
Paper products	150.3	155.0	160.2	139.9	143.2	165.2	148.5	148.3
Pulp and paper	148.2	153.1	160.1	136.6	142.5	164.1	145.4	147.4
Printing publishing and allied industries	146.5	148.2	156.6	146.3	142.6	156.5	151.5	142.8
Products of petroleum and coal	250.6	258.8	254.0	248.3	249.8	272.2	267.9	275.5
Petroleum products	269.8	279.0	274.7	269.0	270.6	293.6	289.8	
Chemicals and allied products	222.3	225.1	219.8	207.4	217.6	225.1	213.9	222.2
Acids, alkalies, salts and fertilizers	270.7	280.6	272.4	271.4	271.6	278.6	283.6	286.9
Miscellaneous manufactures	191.6	213.0	207.4	200.3	192.6	241.0	233.5	224.4
WORLD MANUFACTURES	145.9	146.6	143.5	133.9	132.4	157.2	146.6	145.1
Wood products	135.6	137.5	118.6	116.9	121.9	130.4	127.9	133.3
Saw and planing mills	141.8	145.6	116.4	116.3	126.0	131.3	129.4	139.4
Veneers and plywoods	267.1	295.4	258.2	238.5	242.5	309.2	286.9	296.8
Sawmills	132.7	134.1	96.8	102.1	118.0	109.7	111.8	127.1
Furniture	139.4	139.3	144.6	138.5	132.2	150.4	145.9	140.5
Iron and steel products	136.4	137.1	134.5	121.6	121.1	141.0	128.2	128.6
Machinery	133.6	129.2	129.2	126.1	123.0	133.5	132.1	129.9
Iron castings	142.0	144.3	168.0	151.8	141.9	124.4	111.5	91.2
Primary iron and steel	162.1	174.0	159.4	128.5	141.1	179.9	155.3	168.3
Sheet metal products	143.5	141.0	144.3	135.4	128.6	142.3	136.5	132.8
Transportation equipment	129.9	129.0	129.3	127.6	126.3	151.9	145.2	143.9
Aircraft and parts	238.4	269.5	253.5	260.9	266.6	280.5	284.6	290.2
Motor vehicles	159.0	157.3	164.7	160.8	156.9	210.2	191.3	185.0
Motor vehicle parts	118.8	116.3	110.6	110.9	111.6	121.0	121.1	122.1
Railway rolling stock	52.9	47.2	49.8	47.7	46.7	47.9	47.3	47.2
Shipbuilding and repairs	141.9	135.8	126.5	122.9	120.4	143.2	147.7	153.6

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960		1961		1961	
	1960	1961	NOV.	DEC.	JAN.	NOV.	DEC.	JAN.
Non-ferrous metal products	148.3	147.2	151.2	148.7	145.2	157.7	152.5	145.9
Brass and copper products	115.2	122.2	113.7	111.7	111.5	129.2	126.2	127.3
Smelting and refining	168.7	165.6	171.7	169.9	165.7	177.9	171.9	
Electrical apparatus and supplies	179.1	179.2	176.5	164.5	161.7	205.4	198.6	197.6
Heavy electrical machinery	132.1	124.8	123.2	119.0	116.2	133.7	133.2	133.4
Telecommunication equipment	398.6	428.9	439.2	363.0	359.6	551.7	528.0	522.6
Refrigerators and appliances	176.6	171.3	159.6	149.8	152.5	189.7	171.0	176.9
Non-metallic mineral products	210.6	218.5	228.7	177.0	160.1	240.7	189.5	168.6
Concrete products	511.9	574.1	599.5	364.0	289.3	618.9	407.1	270.1
Hydraulic cement	203.8	214.6	222.6	141.5	118.8	217.0	133.7	118.7
Domestic clay products	152.8	146.2	144.3	132.4	97.1			
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	317.0	332.6	343.9	339.3	356.1	379.5
Electric power	287.4	298.5	302.6	306.4	308.2	318.0	323.0	333.0
Gas	392.7	490.6	445.9	567.3	664.0	530.6	653.3	

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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)

Canada's index of industrial production recovered in February.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

205-502-22

The seasonally adjusted index of industrial production reached 180.5 in February, some 1.1% above January's level. With the February advance, the index is now slightly below December's record high. The current gain was concentrated in manufacturing (+1.8%), with both mining and utilities lower during the month (-1.3% and -0.8% respectively).

The slightly better than 1% increase in non-durable manufacturing was largely due to gains of 2% in foods and beverages and 3% in paper products, the latter reflecting 4% higher output in the pulp and paper industry. Other gains of up to 2% occurred in textiles, petroleum products, the chemical industries and miscellaneous manufactures. Tobacco, rubber, leather, and clothing products were all lower during the month.

The strongest showing occurred in durable manufactures with relatively large gains in most major groups. Higher sawmilling activity was mostly responsible for the more than 3% gain in wood products. The more than 5% gain in iron and steel products was due to increases in almost all components, although two-thirds of the strength was concentrated in iron castings and primary iron and steel. Transportation equipment, reflecting higher motor vehicle production, was up by 4%. Lesser gains of 1% and 2% respectively occurred in electrical apparatus and supplies and non-metallic mineral products. A decline in the smelting and refining industry brought non-ferrous metal products some 4% lower.

A 6% drop in metal mining was mostly the result of lower iron ore output (in part reflecting a temporary layoff at one mine). The remaining metals were also lower with the exceptions of copper and uranium. Gains in natural gas and crude petroleum brought the fuels industry up by 3%.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use these monthly bulletins along with the above-noted reference document (for 1935 to 1956 inclusive) and Table VI of the April issue of the Canadian Statistical Review (1957 to 1960 inclusive).

4. The M.C.D. (months for cyclical dominance) measure indicates the number of months required on average for the emergence of the cyclical trend from the seasonally adjusted series. An M.C.D. of 4 implies that a four month moving average of the series (dated at the second month) is required in order to offset irregular movements and allow examination of the underlying cyclical trend. The seasonally adjusted series in these bulletins are not adjusted for M.C.D.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	MCD	1961				1962	
	Proportions		SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	177.4	177.2	179.2	180.7	178.6	180.5
MINING, TOTAL	10.07	2	275.9	276.1	282.5	276.6	274.1	270.5
Metals	5.97	2	185.4	189.7	188.0	185.1	193.3	181.4
Gold	1.93	5	102.8	101.3	102.6	107.9	100.8	98.6
Copper	1.10	4	163.6	188.8	179.5	171.8	158.3	162.0
Iron ore	0.31	4	309.0	358.1	272.9	433.3	534.7	322.3
Nickel	1.05	4	201.9	206.8	215.3	195.8	196.2	183.0
Non-metals	0.85	5	207.8	210.7	204.6	220.3	237.4	232.7
Asbestos	0.59	4	212.5	214.2	207.7	223.0	254.3	253.2
Fuels	2.84	3	470.8	461.6	496.2	466.0	440.1	452.3
Coal	1.72	6	51.3	52.1	48.9	49.0	47.0	45.7
Natural gas	0.11	2	755.4	734.6	717.0	771.2	807.4	922.4
Petroleum	1.02	3	1148.9	1123.8	1228.1	1137.4	1064.5	1088.4
MANUFACTURING, TOTAL	84.83	2	156.3	156.2	158.3	160.6	157.9	160.7
NON-DURABLE MANUFACTURES	45.74	2	159.7	160.2	161.5	165.0	163.2	165.0
Foods and beverages	11.83	4	153.8	155.5	157.5	161.7	160.1	163.4
Foods	8.99	4	148.7	152.8	155.0	157.7	157.5	161.2
Meat products	1.62	4	162.2	166.4	162.3	155.3	154.9	167.2
Dairy products	1.40	3	158.0	160.8	162.6	166.7	158.8	159.1
Canning and processing	1.40	4	141.0	151.1	165.4	172.6	183.1	192.9
Grain mill products	1.00	4	134.6	137.3	140.4	146.2	140.4	138.8
Bakery products	1.73	3	148.7	149.8	149.3	151.1	146.5	146.3
Miscellaneous foods	1.83	4	143.1	147.0	148.2	153.9	159.2	159.4
Beverages	2.85	6	170.1	164.0	165.2	174.5	168.1	170.2
Carbonated beverages	0.72	5	179.4	152.8	172.6	173.6	180.1	193.9
Breweries	1.44	6	149.5	154.6	148.0	156.4	134.3	150.1
Distilleries	0.63	6	210.7	201.5	197.7	220.9	234.4	192.7
Tobacco and tobacco products	0.77	6	191.7	205.6	197.1	193.3	212.4	200.3
Rubber products	1.33	3	153.4	159.5	150.2	170.3	151.9	147.8
Leather products	1.58	2	126.1	125.9	129.4	130.3	129.5	127.3
Boots and shoes	0.95	3	136.1	136.7	142.0	141.7	138.6	136.6

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961						1962	
			SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.		
Textiles	5.04	3	138.9	138.0	137.8	149.4	143.4	145.0		
Cotton goods	1.57	4	97.8	109.5	106.5	109.7	106.5	108.7		
Wool goods	0.93	3	86.3	79.5	78.7	80.6	79.4	77.5		
Synthetic Textiles & silk	1.33	3	232.0	219.6	221.2	258.8	240.1	244.2		
Clothing	5.59	3	109.2	111.6	113.1	114.6	113.0	110.5		
Men's, women's and children's clothing	3.45	3	110.0	114.9	116.0	116.9	118.1	116.0		
Knitting mills	1.22	2	103.1	101.6	104.4	108.8	101.0	98.4		
Paper products	8.22	3	157.2	156.9	157.9	159.2	155.3	160.4		
Pulp and paper	6.54	3	156.3	154.8	156.3	157.5	153.5	159.7		
Printing publishing and allied industries	3.95	4	151.1	154.0	151.7	151.6	153.1	153.6		
Products of petroleum and coal	1.59	3	272.3	254.5	266.8	265.3	262.2	264.8		
Petroleum products	1.41	3	293.2	273.7	287.6	285.8	283.1			
Chemicals & allied products	4.22	2	223.0	221.2	225.4	226.7	230.3	233.8		
Acids, alkalies, salts and fertilizers	1.07	2	280.1	277.2	279.4	284.2	287.5	294.1		
Miscellaneous manufactures	1.62	1	220.7	224.6	229.3	230.5	232.9	236.2		
DURABLE MANUFACTURES	39.09	2	152.5	151.5	154.6	155.4	151.6	155.7		
Wood products	6.54	2	140.9	135.0	146.2	150.0	142.8	147.5		
Saw and planing mills	4.48	3	149.6	140.8	156.8	162.0	150.6	157.6		
Veneers and plywoods	0.38	3	329.8	248.6	316.2	315.6	307.9	316.4		
Sawmills	3.08	4	134.4	132.4	147.4	154.0	138.8	148.5		
Furniture	1.43	1	142.4	141.8	142.2	143.9	145.6	145.0		
Iron and steel products	12.49	2	144.5	139.6	138.2	139.0	136.0	143.5		
Machinery	2.64	1	133.2	132.2	131.1	132.1	133.7	135.7		
Iron castings	1.20	3	165.4	142.8	126.7	120.0	93.7	121.6		
Primary iron and steel	2.62	3	193.9	182.9	177.1	177.5	168.3	182.4		
Sheet metal products	1.11	1	138.3	139.2	140.3	142.9	150.6	152.2		
Transportation equipment	8.23	4	140.7	142.2	143.8	139.7	135.6	140.9		
Aircraft and parts	0.63	1	266.6	274.1	279.7	281.5	283.5	284.4		
Motor vehicles	3.21	4	180.0	185.2	186.0	177.1	165.2	179.1		
Motor vehicle parts	1.43	1	124.0	120.0	123.5	117.6	118.7	119.7		
Railway rolling stock	1.93	1	50.2	47.9	47.9	47.3	49.3	48.0		
Shipbuilding and repairs	0.81	1	146.5	147.8	150.7	155.5	153.2	153.2		

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949 Proportions	MCD	1961				1962	
			SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.
Non-ferrous metal products	4.97	3	144.5	149.6	155.5	151.9	154.1	148.7
Brass and copper products	0.75	1	128.0	128.3	128.9	126.2	128.0	125.7
Smelting and refining	3.19	3	159.8	167.9	176.5	171.4	173.9	165.3
Electrical apparatus and supplies	4.40	2	186.4	187.9	192.5	202.0	199.2	202.0
Heavy electrical machinery	1.52	1	126.6	130.2	131.2	134.0	135.5	135.1
Telecommunication equipment	0.44	2	439.3	447.8	472.3	557.6	529.3	551.3
Refrigerators and appliances	0.71	3	189.2	178.5	184.2	184.5	178.7	172.2
Non-metallic mineral products	2.46	2	219.7	225.3	226.5	228.4	217.3	220.6
Concrete products	0.30	4	556.2	571.0	573.1	600.4	499.4	529.8
Hydraulic cement	0.36	4	228.0	219.8	210.3	205.7	223.0	216.8
Domestic clay products	0.24	3	154.3	152.0	143.7	164.1		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	332.9	330.4	321.8	325.5	334.5	331.7
Electric power	4.60	2	303.4	305.6	302.3	304.4	313.9	311.9
Gas	0.51	3	598.0	553.1	496.4	514.4	519.5	508.9

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1960	1961		1961		1962
	1960	1961	DEC.	JAN.	FEB.	DEC.	JAN.	FEB.
INDUSTRIAL PRODUCTION, TOTAL	167.5	172.2	159.6	159.8	166.0	173.8	172.6	182.7
MINING, TOTAL	253.3	263.0	241.1	248.4	253.6	269.1	268.3	276.1
Metals	197.9	183.7	181.7	181.4	184.6	170.3	175.4	172.7
Gold	111.2	106.8	110.6	109.4	112.9	106.4	100.6	102.3
Copper	168.7	170.4	169.2	163.7	163.9	165.3	155.1	163.9
Iron ore	406.3	351.4	198.4	230.8	233.7	182.0	214.4	154.7
Nickel	166.9	183.9	176.4	169.4	173.5	188.0	194.8	185.7
Non-metals	192.6	211.7	185.0	177.8	200.0	206.4	194.1	212.4
Asbestos	201.4	223.4	193.9	187.3	223.9	214.1	208.5	236.0
Fuels	380.2	433.4	391.3	424.5	426.3	496.9	499.0	521.3
Coal	53.3	49.9	51.8	55.8	54.5	57.6	57.2	52.3
Natural gas	589.2	713.5	839.5	854.1	816.0	1018.0	1121.5	1177.0
Petroleum	909.9	1051.2	916.6	1001.0	1012.5	1182.9	1178.4	1243.0
MANUFACTURING, TOTAL	149.5	152.7	139.6	138.2	144.6	151.5	148.9	159.6
NON-DURABLE MANUFACTURES	152.5	157.9	144.5	143.1	149.3	155.7	151.9	160.2
Foods and beverages	150.7	154.8	137.1	123.3	128.9	147.8	131.0	137.3
Foods	147.1	152.2	136.5	127.4	128.1	146.2	133.9	135.9
Meat products	156.5	158.1	135.8	150.9	146.1	145.5	163.6	160.7
Dairy products	152.8	158.3	130.4	121.3	130.1	137.7	123.9	133.5
Canning and processing	150.6	159.3	134.5	72.3	76.5	150.1	78.0	84.4
Grain mill products	132.5	139.1	126.7	127.7	134.4	139.0	134.5	136.7
Bakery products	143.9	148.3	142.4	134.2	133.3	148.7	139.2	137.4
Miscellaneous foods	142.9	147.5	143.3	146.9	142.0	151.8	152.6	153.9
Beverages	161.7	163.2	138.9	110.3	131.3	152.9	121.9	141.7
Carbonated	164.8	164.0	149.1	135.5	132.4	167.0	144.3	157.7
Breweries	146.4	147.6	129.6	87.1	117.2	135.0	85.7	123.7
Distilleries	194.8	200.1	151.3	134.3	164.8	182.0	180.5	169.1
Tobacco and tobacco products	182.0	193.6	182.6	177.4	193.8	175.9	195.2	204.4
Rubber products	143.3	145.7	125.3	124.1	134.8	155.8	145.1	167.7
Leather products	111.8	123.8	105.0	115.0	132.2	119.1	130.5	141.1
Boots and shoes	123.7	134.3	108.3	124.9	151.6	121.0	140.8	158.7

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960	1961		1961		1962
	1960	1961	DEC.	JAN.	FEB.	DEC.	JAN.	FEB.
Textiles	122.5	134.6	122.2	124.7	133.7	142.4	139.2	153.8
Cotton goods	89.6	98.8	91.6	94.2	99.2	102.6	104.9	118.1
Wool goods	78.5	80.3	74.6	70.5	78.8	78.2	71.0	81.8
Synthetic textiles and silk	187.6	219.5	187.7	199.0	220.8	242.0	233.9	264.7
Clothing	109.0	108.8	102.6	108.4	114.6	107.0	111.8	117.1
Men's, women's and children's clothing	109.4	110.3	99.7	110.7	118.7	105.8	117.5	124.4
Knitting mills	103.1	101.0	104.2	101.3	105.5	105.5	99.4	105.1
Paper products	150.3	155.0	139.9	143.2	149.2	148.5	148.4	156.9
Pulp and paper	148.2	153.1	136.6	142.5	151.5	145.4	147.4	158.3
Printing publishing and allied industries	146.5	148.2	146.3	142.6	144.7	151.5	143.0	153.4
Products of petroleum and coal	250.6	258.8	248.3	249.8	253.2	267.9	269.2	269.1
Petroleum products	269.8	279.0	269.0	270.6	273.9	289.8	291.3	290.9
Chemicals and allied products	222.3	225.1	207.4	217.6	221.6	213.9	223.7	231.2
Acids, alkalies, salts and fertilizers	270.7	280.6	271.4	271.6	270.8	283.6	288.1	289.4
Miscellaneous manufactures	191.6	213.0	200.3	192.6	194.4	233.5	226.1	228.6
DURABLE MANUFACTURES	145.9	146.6	133.9	132.4	139.1	146.6	145.4	155.4
Wood products	135.6	137.5	116.9	121.9	134.1	127.9	133.1	149.7
Saw and planing mills	141.8	145.6	116.3	126.0	144.9	129.4	138.9	163.8
Veneers and plywoods	267.1	295.4	238.5	242.5	268.1	286.9	296.8	343.0
Sawmills	132.7	134.1	102.1	118.0	141.9	111.8	127.1	158.2
Furniture	139.4	139.3	138.5	132.2	128.8	145.9	140.9	138.8
Iron and steel products	136.4	137.1	121.6	121.1	127.3	128.2	128.8	139.1
Machinery	133.6	129.2	126.1	123.0	122.4	132.1	130.9	130.8
Iron castings	142.0	144.3	151.8	141.9	159.3	111.5	91.2	128.0
Primary iron and steel	162.1	174.0	128.5	141.1	152.7	155.3	168.3	184.0
Sheet metal products	143.5	141.0	135.4	128.6	127.7	136.5	134.8	135.5
Transportation equipment	129.9	129.0	127.6	126.3	133.8	145.2	142.3	154.5
Aircraft and parts	238.4	269.5	260.9	266.6	271.5	284.6	287.5	289.0
Motor vehicles	159.0	157.3	160.8	156.9	173.0	191.3	185.0	213.1
Motor vehicle parts	118.8	116.3	110.9	111.6	112.7	121.1	122.5	123.9
Railway rolling stock	52.9	47.2	47.7	46.7	46.2	47.3	46.9	46.7
Shipbuilding and repairs	141.9	135.8	122.9	120.4	127.8	147.7	139.7	148.8

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	Annual Average		WITHOUT SEASONAL ADJUSTMENT					
			1960	1961		1961		1962
	1960	1961	DEC.	JAN.	FEB.	DEC.	JAN.	FEB.
Non-ferrous metal products	148.3	147.2	148.7	145.2	146.8	152.5	150.6	150.6
Brass and copper products	115.2	122.2	111.7	111.5	114.1	126.2	124.5	124.8
Smelting and refining	168.7	165.6	169.9	165.7	168.0	171.9	170.4	170.1
Electrical apparatus and supplies	179.1	179.2	164.5	161.7	167.8	198.6	196.9	202.2
Heavy electrical machinery	132.1	124.8	119.0	116.2	115.3	133.2	132.1	130.9
Telecommunication equipment	398.6	428.9	363.0	359.6	426.4	528.0	519.8	567.8
Refrigerators and appliances	176.6	171.3	149.8	152.5	156.3	171.0	176.6	187.2
Non-metallic mineral products	210.6	218.5	177.0	160.1	163.7	189.5	169.7	182.0
Concrete products	511.9	574.1	364.0	289.3	380.5	407.1	270.2	329.0
Hydraulic cement	203.8	214.6	141.5	118.8	102.5	133.7	118.4	136.6
Domestic clay products	152.8	146.2	132.4	97.1	102.7	142.6		
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	332.6	343.9	348.9	356.1	378.0	383.1
Electric power	287.4	298.5	306.4	308.2	308.0	323.0	333.0	333.1
Gas	392.7	490.6	567.3	664.0	715.6	653.3	781.9	831.6

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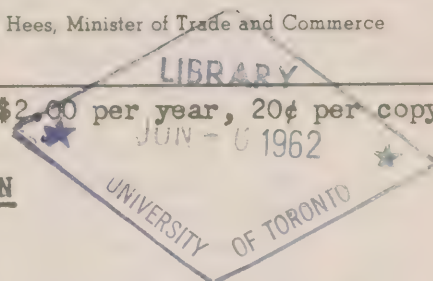
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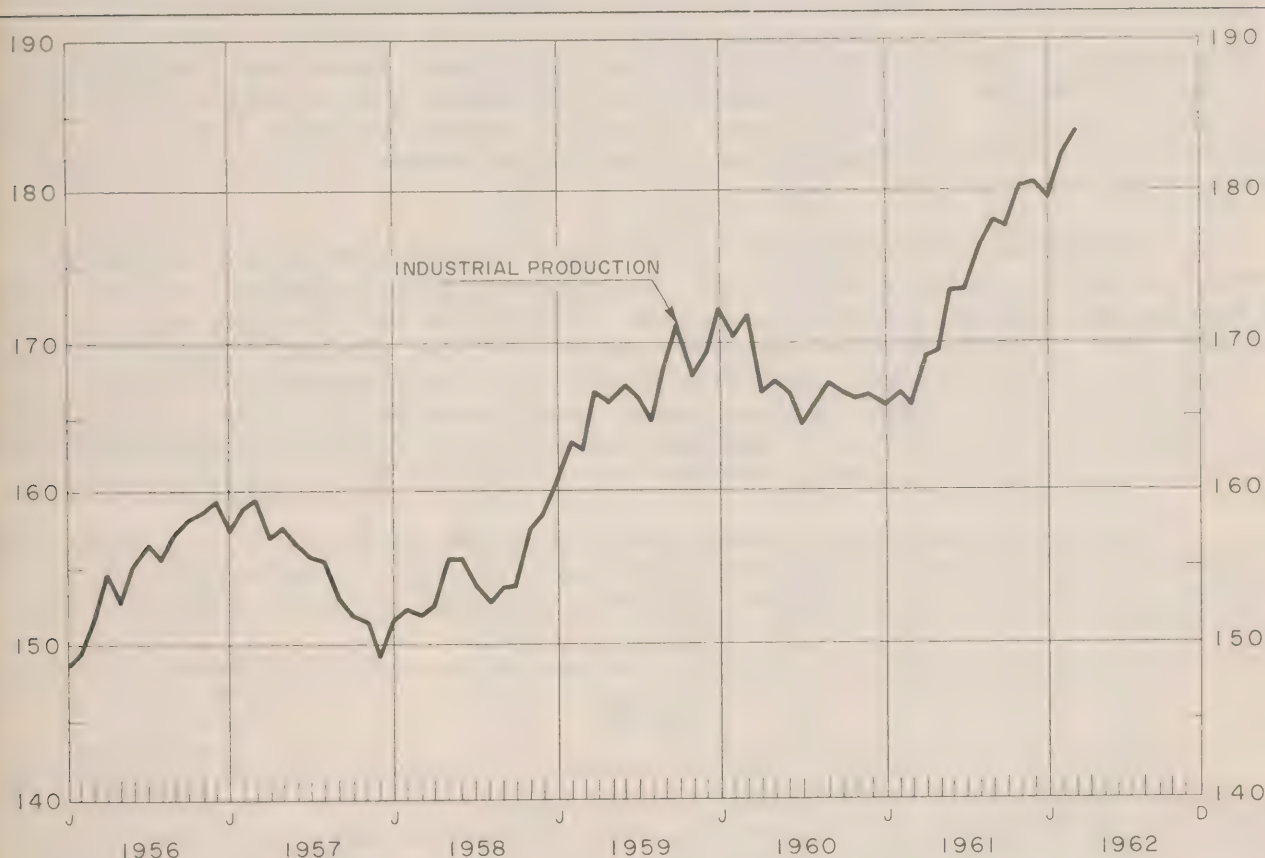
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)



The index of industrial production continued to advance in March.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

2205-502-32

The index of industrial production continued to advance in March to reach a high of 184.0. This represented a gain of almost 1% during the month from the revised February figure of 182.3. In terms of point contribution, the gain in manufacturing (+0.7%) during the month was only slightly greater than that in mining (+3.1%). Output of electric power and gas utilities was marginally lower during the month.

It is to be noted that this month's report contains revisions back to January, 1959. The changes are due to more up-to-date output per manhour adjustment ratios, revised seasonal adjustments where necessary, as well as a few revisions in original. At the level of the total index of production, the revisions are relatively small, although they were becoming more important in early 1962. The changes are, of course, more significant at the detailed levels.

During March, the strength in manufacturing was concentrated in non-durables (+1.3%), with durables output unchanged from February. Food and beverages were up by more than 3% with both components contributing almost equally. Gains of from 1% to 2% occurred in leather, paper, and chemical products. There were also increases in rubber and tobacco products. Printing and publishing was off about 1% during the month while textiles, reflecting lower synthetics output, declined almost 3%. Clothing, petroleum products and miscellaneous manufactures were little changed during the month.

In durables, wood products, reflecting a continuation of the advance in sawmills activity, gained a further 1%. With losses in both primary iron and steel and heating and cooking apparatus more than offsetting a gain in iron castings, total iron and steel products declined by about one-half of one percent. Changes in component transportation equipment industries were slight and offsetting, with the group as a whole unchanged. Output of non-ferrous metal products was lower by 4% in March, almost solely due to a decline in smelting and refining. Electrical apparatus and supplies and non-metallic mineral products were higher by 2% and 3% respectively.

The mining advance was largely due to strength in fuels, in turn reflecting for the most part an increase in crude petroleum. Output of every major metal excepting zinc and uranium was higher in March. Asbestos production was off by almost 5%.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the attached supplements for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949 Proportions	MCD	1961			1962		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	177.9	180.1	180.5	179.8	182.3	184.0
MINING, TOTAL	10.07	2	278.4	287.1	273.3	280.4	280.9	289.5
Metals	5.97	2	199.8	196.7	189.2	198.6	194.3	196.0
Gold	1.93	5	101.3	102.6	107.9	101.7	100.4	102.8
Copper	1.10	4	188.8	179.5	171.8	159.9	166.5	171.5
Iron ore	0.31	4	551.5	441.0	537.9	625.8	543.5	587.3
Nickel	1.05	4	206.8	215.3	188.4	196.2	183.0	201.3
Non-metals	0.85	5	210.7	204.6	226.8	224.9	230.1	223.3
Asbestos	0.59	4	214.2	207.7	231.2	239.9	249.7	238.2
Fuels	2.84	3	450.1	493.8	453.7	458.2	467.8	495.4
Coal	1.72	6	50.7	48.9	49.0	48.5	46.7	58.6
Natural gas	0.11	2	730.6	717.0	776.3	853.4	925.1	926.4
Petroleum	1.02	3	1094.7	1221.2	1102.6	1107.8	1130.0	1186.9
MANUFACTURING, TOTAL	84.83	2	156.8	158.9	160.8	158.5	161.3	162.4
NON-DURABLE MANUFACTURES	45.74	2	159.3	160.8	163.5	162.4	163.8	165.9
Foods and beverages	11.83	4	153.7	155.8	159.4	160.7	161.8	167.4
Foods	8.99	4	150.3	152.1	154.5	157.5	158.4	162.3
Meat products	1.62	4	166.4	162.3	155.3	154.9	167.2	168.5
Dairy products	1.40	3	160.8	162.6	166.7	158.8	158.5	161.3
Canning and processing	1.40	4	138.8	147.8	154.2	183.4	178.5	178.2
Grain mill products	1.00	4	133.7	138.8	143.4	140.9	138.4	140.5
Bakery products	1.73	3	149.9	150.1	151.2	146.5	146.7	150.4
Miscellaneous foods	1.83	4	146.3	147.5	153.7	158.3	156.9	168.5
Beverages	2.85	6	164.3	167.7	175.0	171.0	172.7	183.4
Carbonated beverages	0.72	5	154.3	174.3	175.3	180.1	197.3	189.3
Breweries	1.44	6	154.6	148.0	156.4	134.3	150.1	149.2
Distilleries	0.63	6	201.5	207.2	220.9	247.3	199.3	258.1
Tobacco and tobacco products	0.77	6	205.6	197.1	193.3	212.4	200.3	209.4
Rubber products	1.33	3	156.8	150.2	170.3	154.5	151.4	156.0
Leather products	1.58	2	125.9	129.4	130.6	130.7	126.8	128.5
Boots and shoes	0.95	3	136.7	142.0	141.7	140.5	136.6	138.1

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	1961			1962			
	Proportions	MCD	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
Textiles	5.04	3	139.4	140.1	147.6	141.0	143.4	139.8
Cotton goods	1.57	4	109.5	106.5	109.7	104.3	108.7	108.3
Wool goods	0.93	3	79.5	78.7	80.6	79.4	77.5	72.8
Synthetic Textiles & silk	1.33	3	225.0	229.8	252.1	233.9	240.0	231.9
Clothing	5.59	3	110.8	111.5	113.7	110.7	108.9	108.7
Men's, women's and children's clothing	3.45	3	114.9	116.0	116.8	116.3	114.0	113.6
Knitting mills	1.22	2	101.6	101.9	108.8	99.2	98.5	95.8
Paper products	8.22	3	154.8	156.3	157.3	154.8	157.9	161.3
Pulp and paper	6.54	3	154.8	156.3	157.5	154.7	158.3	158.7
Printing publishing and allied industries	3.95	4	154.0	151.7	151.6	149.9	153.8	151.7
Products of petroleum and coal	1.59	3	254.5	266.8	265.3	262.2	264.8	264.8
Petroleum products	1.41	3	273.7	287.6	285.8	283.1		
Chemicals & allied products	4.22	2	220.4	223.7	223.9	228.8	234.3	237.5
Acids, alkalies, salts and fertilizers	1.07	2	251.4	253.6	258.0	261.2	264.4	266.0
Miscellaneous manufactures	1.62	1	224.6	229.3	230.5	232.0	232.1	231.1
DURABLE MANUFACTURES	39.09	2	153.9	156.7	157.6	153.9	158.3	158.3
Wood products	6.54	2	138.2	148.6	152.4	146.0	148.7	150.2
Saw and planing mills	4.48	3	143.5	158.4	163.7	153.4	157.5	159.4
Veneers and plywoods	0.38	3	262.0	316.2	315.6	319.1	316.4	310.5
Sawmills	3.08	4	132.4	147.4	154.0	138.8	146.1	149.5
Furniture	1.43	1	146.3	146.6	148.2	150.3	149.6	151.0
Iron and steel products	12.49	2	142.7	140.4	141.2	137.4	145.2	144.3
Machinery	2.64	1	137.3	136.3	137.6	139.5	142.0	141.3
Iron castings	1.20	3	152.0	126.7	120.0	84.4	117.0	130.0
Primary iron and steel	2.62	3	182.9	177.1	177.5	168.3	182.4	174.0
Sheet metal products	1.11	1	139.2	140.3	142.9	150.6	153.7	153.9
Transportation equipment	8.23	4	143.3	145.1	141.4	137.1	142.5	142.5
Aircraft and parts	0.63	1	274.1	279.7	283.8	283.5	279.8	276.9
Motor vehicles	3.21	4	185.2	186.0	177.1	165.2	179.1	179.0
Motor vehicle parts	1.43	1	126.0	129.9	124.0	126.0	128.4	128.1
Railway rolling stock	1.93	1	42.6	42.4	42.8	43.1	42.1	42.8
Shipbuilding and repairs	0.81	1	161.6	165.7	170.0	170.6	171.0	172.6

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED								
Industry or Industry Group	1949	MCD	1961			1962		
	Proportions		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
Non-ferrous metal products	4.97	3	150.0	155.9	152.5	154.5	150.6	144.4
Brass and copper products	0.75	1	128.3	128.9	126.2	128.0	125.0	124.7
Smelting and refining	3.19	3	167.9	176.5	171.4	173.9	167.8	158.5
Electrical apparatus and supplies	4.40	2	192.2	197.8	207.1	206.4	209.5	213.7
Heavy electrical machinery	1.52	1	138.2	139.5	142.6	144.3	143.7	145.4
Telecommunication equipment	0.44	2	447.8	472.3	557.6	544.1	554.5	590.5
Refrigerators and appliances	0.71	3	178.5	188.6	184.5	183.4	180.9	181.4
Non-metallic mineral products	2.46	2	227.2	227.6	230.7	218.7	227.1	233.2
Concrete products	0.30	4	571.0	573.1	600.4	499.4	529.8	585.7
Hydraulic cement	0.36	4	219.8	210.3	205.7	223.0	253.0	247.7
Domestic clay products	0.24	3	152.0	143.7	156.7			
ELECTRIC POWER AND GAS UTILITIES	5.11	2	330.4	321.8	325.5	336.0	335.9	335.2
Electric power	4.60	2	305.6	302.3	304.4	314.7	314.8	313.7
Gas	0.51	3	553.1	496.4	514.4	527.2	525.3	528.5

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	JAN.	FEB.	MAR.	JAN.	FEB.	MAR.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	160.0	166.5	164.6	174.0	182.4	182.5
MINING, TOTAL	253.3	266.9	247.6	255.1	235.4	275.9	279.4	280.0
Metals	197.9	191.7	183.2	186.9	173.1	180.5	179.7	180.2
Gold	111.2	107.1	109.8	113.2	110.2	100.6	102.5	102.2
Copper	168.7	170.4	162.2	162.3	158.1	155.1	165.8	170.1
Iron ore	406.3	504.7	266.8	279.3	251.5	312.9	282.6	305.4
Nickel	166.9	183.8	169.4	173.5	159.2	194.8	185.7	198.7
Non-metals	192.6	211.7	177.8	200.0	205.8	194.1	212.4	224.8
Asbestos	201.4	223.4	187.3	223.9	228.2	208.5	236.0	248.9
Fuels	380.2	430.7	417.0	426.4	380.5	516.3	521.5	515.6
Coal	53.3	49.9	55.8	54.5	41.2	57.2	52.3	51.7
Natural gas	589.2	712.0	854.1	816.0	780.3	1125.7	1180.4	1117.2
Petroleum	909.9	1043.7	980.2	1012.7	910.7	1226.3	1243.0	1234.4
MANUFACTURING, TOTAL	149.3	153.0	138.6	145.0	146.3	149.6	158.8	160.0
NON-DURABLE MANUFACTURES	151.8	157.0	142.1	148.8	149.5	151.4	159.6	160.8
Foods and beverages	150.2	154.2	122.6	129.9	132.6	131.0	137.2	142.2
Foods	147.1	151.2	126.4	129.4	129.8	133.9	135.7	137.3
Meat products	156.5	158.1	150.9	146.1	145.9	163.6	160.7	165.1
Dairy products	152.8	158.3	121.3	130.1	146.3	123.9	133.0	143.6
Canning and processing	149.5	153.8	72.7	76.9	68.1	78.2	84.5	76.3
Grain mill products	132.5	138.3	127.7	134.4	135.2	134.5	135.3	139.3
Bakery products	144.1	149.2	138.4	137.4	139.8	139.2	138.3	140.9
Miscellaneous foods	142.9	146.4	137.8	142.2	137.8	152.6	152.5	150.3
Beverages	160.2	163.6	110.6	131.6	141.5	121.9	141.8	157.5
Carbonated	158.7	165.6	136.8	133.7	119.4	144.3	157.8	144.8
Breweries	146.4	147.6	87.1	117.2	145.7	85.7	123.1	150.1
Distilleries	194.8	200.1	134.3	164.8	160.2	180.5	169.4	193.6
Tobacco and tobacco products	182.0	193.6	177.4	193.8	186.3	195.2	204.1	207.7
Rubber products	143.3	145.7	124.1	134.8	136.9	145.1	167.3	160.2
Leather products	111.8	123.8	115.0	132.2	131.9	130.5	140.6	140.6
Boots and shoes	123.7	134.3	124.9	151.6	148.9	140.8	158.6	158.5

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	JAN.	FEB.	MAR.	JAN.	FEB.	MAR.
Textiles	122.5	134.6	124.7	133.7	134.9	139.1	153.3	149.7
Cotton goods	89.6	98.8	94.2	99.2	97.3	104.9	118.1	118.5
Wool goods	78.5	80.3	70.5	78.8	80.5	71.0	81.8	76.7
Synthetic textiles and silk	187.6	219.5	199.0	220.8	225.0	233.9	264.7	255.1
Clothing	107.9	107.1	107.6	113.8	113.7	111.1	116.5	116.7
Men's, women's and children's clothing	109.4	110.3	110.7	118.7	119.9	117.7	124.0	124.9
Knitting mills	103.1	101.0	101.3	105.5	100.5	99.3	105.2	100.0
Paper products	148.4	153.4	141.6	147.7	148.3	146.8	155.3	158.2
Pulp and paper	148.2	153.1	142.5	151.5	151.1	147.4	158.3	159.7
Printing publishing and allied industries	146.5	148.2	142.6	144.7	151.4	143.1	153.7	156.6
Products of petroleum and coal	250.6	258.8	249.8	253.2	243.7	269.2	269.1	259.3
Petroleum products	269.8	279.0	270.6	273.9	262.4	291.3	290.9	279.1
Chemicals and allied products	219.7	222.1	213.4	217.7	212.9	222.8	231.4	231.4
Acids, alkalies, salts and fertilizers	260.8	257.2	253.3	251.7	252.7	261.7	260.2	259.9
Miscellaneous manufactures	191.6	213.0	192.6	194.4	195.0	225.3	224.7	224.4
DURABLE MANUFACTURES	146.4	148.4	134.4	140.6	142.5	147.4	157.8	159.1
Wood products	136.0	139.6	123.4	135.6	139.0	134.6	151.9	153.6
Saw and planing mills	141.2	146.7	126.0	145.0	150.2	140.6	165.3	167.8
Veneers and plywoods	267.1	295.4	242.5	268.1	294.0	296.8	343.0	332.2
Sawmills	132.7	134.1	118.0	141.9	145.6	127.1	158.2	163.1
Furniture	141.3	143.6	136.4	132.8	131.5	145.5	143.2	142.2
Iron and steel products	137.3	139.4	125.3	129.8	135.1	131.0	141.8	143.6
Machinery	135.1	133.4	125.7	125.4	127.9	136.6	136.9	138.9
Iron castings	147.8	144.3	172.8	171.3	179.7	91.2	128.0	144.3
Primary iron and steel	162.1	174.0	141.1	152.7	162.8	168.3	184.0	178.2
Sheet metal products	143.5	141.0	128.6	127.7	129.2	134.8	136.8	140.4
Transportation equipment	130.0	129.8	126.7	134.2	132.4	143.8	156.1	160.5
Aircraft and parts	238.4	269.5	266.6	271.5	272.2	287.5	284.3	283.8
Motor vehicles	159.0	157.3	156.9	173.0	166.7	185.0	213.1	220.2
Motor vehicle parts	121.1	121.3	115.0	116.4	117.8	130.0	132.9	134.5
Railway rolling stock	51.2	42.9	43.7	43.0	42.2	41.0	40.9	41.1
Shipbuilding and repairs	143.2	145.2	125.3	133.8	138.4	155.6	166.0	177.8

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT									
Industry or Industry Group	Annual Average		1961			1962			
	1960	1961	JAN.	FEB.	MAR.	JAN.	FEB.	MAR.	
Non-ferrous metal products	148.3	147.6	145.3	146.9	146.2	151.0	150.8	144.3	
Brass and copper products	115.2	122.2	111.5	114.1	115.0	124.5	124.1	124.3	
Smelting and refining	168.7	165.6	165.7	168.0	166.8	170.4	170.1	159.9	
Electrical apparatus and supplies	180.2	182.6	163.9	170.2	166.7	202.4	208.8	207.7	
Heavy electrical machinery	135.3	132.0	122.2	121.4	122.3	140.7	139.2	139.7	
Telecommunication equipment	398.6	428.9	359.6	426.4	361.7	521.2	571.1	555.7	
Refrigerators and appliances	176.6	171.3	152.5	156.3	174.6	178.4	191.8	195.9	
Non-metallic mineral products	210.9	220.2	161.3	165.0	172.7	171.6	183.1	190.4	
Concrete products	511.9	574.1	289.3	380.5	414.8	270.2	329.0	427.0	
Hydraulic cement	203.8	214.6	118.8	102.5	125.1	118.4	136.6	153.6	
Domestic clay products	152.8	146.2	97.1	102.7	106.2				
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	343.9	348.9	329.5	378.0	383.1	363.7	
Electric power	287.4	298.5	308.2	308.0	299.1	333.0	333.1	322.5	
Gas	392.7	490.6	664.0	715.6	602.5	781.9	832.1	733.6	

TABLE 1. Volume Indexes

TABLE 1. VOLUME INDEX											
	Industrial production total	Mining									
		Mining total	Metals					Non-metals		Fuels	
			Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
Adjusted for seasonal variation											
1956 D	159.3	220.1	147.6	107.3	336.3	132.2	140.2	172.6	168.8	387.6	70.0
1957 J	157.2	219.3	152.5	104.4	428.7	122.0	148.7	187.9	188.0	366.9	65.6
F	158.9	223.6	160.9	107.9	441.7	140.7	144.7	189.8	190.3	357.3	71.2
M	159.5	228.6	163.6	108.5	480.7	132.1	146.4	180.9	186.4	364.8	65.9
A	156.9	232.0	162.7	106.1	454.0	131.8	144.7	186.6	187.4	386.4	67.5
M	157.7	239.3	163.4	106.8	448.0	124.6	146.6	184.9	188.9	412.3	64.9
J	156.4	234.8	166.1	105.8	472.6	126.2	146.9	189.7	191.7	387.6	64.9
J	155.4	225.1	166.9	105.3	468.1	121.9	148.0	176.0	183.6	357.7	61.4
A	155.3	227.1	172.3	105.2	448.1	137.3	153.9	169.2	171.0	355.7	64.5
S	152.9	229.1	178.2	107.4	460.3	150.0	150.2	174.0	181.8	347.6	65.1
O	151.8	225.4	177.7	108.1	454.8	141.3	147.7	172.3	182.7	336.5	68.7
N	151.3	215.4	177.8	106.5	353.5	159.3	140.6	163.0	173.8	303.2	62.0
D	149.1	232.2	192.9	107.9	602.6	153.7	143.4	182.1	193.2	322.1	62.0
1958 J	151.3	231.5	186.3	108.8	430.9	148.4	149.2	159.9	166.2	334.6	61.5
F	152.2	234.9	187.7	110.0	416.1	146.7	152.2	170.6	176.6	349.0	62.8
M	151.8	228.8	183.1	112.5	317.4	145.8	143.8	164.5	167.1	331.7	58.0
A	152.5	227.1	190.9	109.4	382.1	154.1	143.4	155.6	161.5	311.2	58.4
M	155.7	231.0	187.7	108.4	299.2	152.4	137.5	157.6	160.5	326.3	56.6
J	155.7	229.7	194.0	112.3	319.0	151.3	138.9	159.8	165.9	313.6	54.9
J	153.9	220.4	175.7	109.9	317.0	145.0	119.5	162.5	171.6	320.1	55.7
A	152.6	220.2	178.9	111.3	306.9	140.7	119.8	171.5	180.0	309.0	39.8
S	153.8	229.3	186.1	108.6	324.7	122.5	113.3	181.1	192.0	322.5	52.2
O	153.9	217.1	162.0	109.0	296.6	101.7	34.9	199.1	205.6	323.0	56.0
N	157.8	225.1	167.7	108.5	256.9	92.1	30.7	184.8	194.7	346.9	56.7
D	158.7	224.6	163.6	107.0	316.0	85.5	31.4	169.5	168.4	361.9	60.7
1959 J	160.7	236.5	178.3	108.0	347.2	111.4	73.1	175.5	175.0	367.7	59.0
F	163.1	246.0	196.4	109.2	366.4	138.5	122.5	187.9	188.3	353.9	45.9
M	162.7	246.4	198.5	108.3	427.4	140.4	136.8	191.6	189.1	352.2	44.2
A	166.7	250.1	208.4	108.3	502.1	152.2	146.6	184.9	181.8	343.7	58.6
M	166.0	245.3	200.8	113.1	432.1	151.1	151.6	184.8	186.1	347.3	39.4
J	167.0	247.3	189.6	100.7	423.4	164.2	153.5	217.4	222.2	367.5	47.9
J	166.2	247.4	206.1	110.7	388.0	167.9	149.8	203.2	207.1	334.4	57.1
A	164.8	246.0	196.7	105.3	403.8	163.3	150.3	183.4	184.4	359.8	48.0
S	168.3	263.5	205.6	106.8	459.0	157.1	154.6	186.5	182.7	399.6	57.1
O	171.0	258.8	209.2	107.7	486.3	164.9	162.4	193.3	195.6	373.4	54.0
N	167.8	264.1	221.4	114.9	697.3	159.5	163.9	196.0	202.0	368.7	54.3
D	169.2	257.1	205.7	106.9	400.9	157.0	178.7	176.9	180.6	379.4	53.9
1960 J	172.1	256.5	203.2	110.9	398.0	164.8	159.8	188.1	193.9	383.0	52.6
F	170.2	260.6	223.1	109.0	443.1	171.9	156.3	194.7	201.6	351.7	54.1
M	171.8	263.2	210.0	108.6	437.2	170.5	164.7	190.4	200.0	394.9	63.9
A	166.6	251.5	197.4	104.7	412.2	160.8	164.9	191.1	203.2	380.6	44.4
M	167.2	256.4	192.1	109.2	499.8	174.1	157.4	202.0	214.1	405.7	47.6
J	166.6	249.0	188.6	112.5	438.0	166.6	168.5	194.9	209.1	384.3	53.7
J	164.3	249.7	198.4	114.2	444.4	175.8	168.5	180.4	187.7	371.0	54.6
A	165.6	249.1	195.5	113.1	480.9	174.9	173.1	185.1	194.3	371.1	59.2
S	167.2	255.1	193.5	109.7	344.4	156.7	175.7	192.1	203.5	393.8	60.8
O	166.7	245.6	192.3	113.2	315.3	164.7	167.6	186.5	186.2	365.2	51.8
N	166.1	252.2	191.3	110.4	277.5	173.3	168.8	194.9	196.3	386.8	54.6
D	166.3	248.7	196.3	111.5	465.7	175.9	184.1	203.4	210.5	366.0	44.0
1961 J	165.6	253.8	199.8	110.4	553.5	165.5	170.3	207.5	215.8	370.6	46.0
F	166.7	255.3	200.8	109.3	543.4	161.2	170.1	218.2	239.5	370.9	47.6
M	166.0	243.6	185.5	109.8	483.7	158.9	161.3	204.8	219.0	366.1	46.7
A	169.2	260.2	184.0	111.8	465.4	165.7	157.4	205.8	216.9	426.1	49.1
M	169.4	262.8	184.0	107.5	445.3	166.3	182.1	203.5	222.2	435.4	58.8
J	173.3	264.9	187.6	105.6	439.4	171.9	178.2	216.0	232.7	434.0	58.9
J	173.4	260.1	190.3	103.2	565.0	174.3	192.9	206.9	219.8	414.8	48.6
A	176.4	273.9	188.8	106.6	543.4	173.6	181.9	216.1	228.2	456.7	46.8
S	178.1	281.6	196.0	103.3	489.4	169.6	201.9	207.8	212.5	470.7	51.3
O	177.9	278.4	199.8	101.3	551.5	188.8	206.8	210.7	214.2	450.1	50.7
N	180.1	287.1	196.7	102.6	441.0	179.5	215.3	204.6	207.7	493.8	48.9
D	180.5	273.3	189.2	107.9	537.9	171.8	188.4	226.8	231.2	453.7	49.0

TABLE 1. Volume Indexes - Continued

	Mining		Manufacturing total	Non-durable manufacturing						
	Fuels			Non-durable manufacturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
Adjusted for seasonal variation										
1956 D	264.2	937.5	148.9	141.3	138.2	135.9	147.5	132.3	149.5	120.7
1957 J	263.7	887.1	146.2	139.9	132.2	129.6	132.3	130.9	143.2	116.8
F	263.8	850.8	147.7	142.4	136.2	134.2	146.7	133.9	146.3	118.4
M	254.7	881.6	147.9	142.7	135.7	133.2	144.1	134.8	143.3	117.1
A	286.5	935.9	144.2	139.5	129.1	127.2	126.3	132.0	138.8	110.8
M	277.1	1,013.8	144.4	139.9	133.5	131.5	137.4	138.5	142.2	112.9
J	294.9	942.6	143.6	140.3	136.4	133.9	148.8	138.4	139.4	114.2
J	291.0	865.4	143.2	140.8	137.2	133.9	142.8	133.0	150.2	115.0
A	305.9	853.0	143.0	141.0	139.0	137.2	152.9	137.5	155.6	118.7
S	307.5	829.0	139.8	139.7	137.9	135.8	151.3	138.8	145.4	120.6
O	341.9	788.4	138.8	138.2	137.1	134.1	145.1	138.1	142.7	118.5
M	332.4	707.4	139.0	137.4	135.9	132.9	153.5	139.9	129.0	119.5
D	340.3	759.5	134.5	132.8	133.2	129.6	147.3	140.5	115.6	118.3
1958 J	322.0	797.4	136.7	134.1	136.4	134.6	147.1	141.8	129.7	123.6
F	364.6	830.9	137.2	135.7	138.3	134.5	146.1	141.6	130.3	121.9
M	379.6	788.9	137.6	136.6	139.2	136.7	147.3	145.9	137.7	127.9
A	361.3	732.8	138.7	138.1	140.1	137.7	140.3	141.6	150.0	128.8
M	374.3	776.8	142.1	141.2	142.8	140.4	143.7	142.1	150.9	137.2
J	391.6	742.3	142.1	141.2	143.0	142.4	150.0	142.4	154.4	129.9
J	416.3	756.5	141.1	142.7	141.3	139.3	147.2	140.6	146.8	126.8
A	416.2	752.2	139.6	142.3	139.4	139.1	154.9	143.2	135.7	131.7
S	474.0	762.9	139.7	142.3	139.6	140.4	150.5	142.4	149.6	127.7
O	413.0	764.3	141.4	145.6	145.5	143.6	158.7	143.5	152.8	135.1
N	441.7	826.8	144.6	148.7	147.3	144.1	159.6	145.4	150.8	141.9
D	486.2	857.4	144.9	145.3	146.0	144.7	173.7	146.6	139.7	134.3
1959 J	494.1	875.6	146.0	146.0	143.6	143.0	163.8	144.1	131.6	134.5
F	464.3	862.3	147.6	147.5	144.3	143.5	165.3	145.8	125.9	135.1
M	453.4	861.5	147.1	146.9	143.4	141.0	169.6	145.7	128.1	125.4
A	464.5	812.4	150.9	150.2	150.0	149.2	177.8	143.4	158.3	136.0
M	498.2	851.2	150.8	151.3	148.1	145.2	172.1	146.3	141.7	132.7
J	502.1	892.9	151.3	149.7	148.4	146.2	168.4	144.2	156.8	130.1
J	500.1	785.0	150.9	150.2	146.3	144.5	169.1	144.3	134.9	136.6
A	531.8	867.9	148.7	151.2	154.2	145.5	168.3	145.5	147.2	130.2
S	556.6	961.3	150.2	151.2	148.3	145.0	175.1	151.2	134.5	126.9
O	543.8	894.5	154.1	152.6	148.0	144.5	164.2	149.2	132.8	137.9
N	552.9	880.1	149.2	152.6	148.9	146.8	162.6	149.2	155.2	134.1
D	507.8	915.3	151.8	151.4	149.4	147.5	161.7	148.7	161.1	133.0
1960 J	521.2	926.3	155.1	154.9	151.4	147.8	168.9	156.7	142.6	131.3
F	538.8	834.2	152.4	152.8	153.1	149.6	165.8	155.7	157.6	128.9
M	579.1	934.1	153.2	154.1	151.6	148.8	162.0	150.3	136.9	132.1
A	566.0	928.5	148.9	149.6	147.3	145.8	158.7	153.3	149.2	131.3
M	592.5	990.5	149.0	151.1	152.7	149.1	160.2	154.2	169.4	128.2
J	594.2	920.2	148.6	151.7	149.6	146.4	157.3	150.4	149.0	134.2
J	632.9	877.2	146.1	150.6	149.6	149.2	158.5	148.8	161.6	133.6
A	618.6	871.2	146.7	150.4	150.0	144.5	154.2	148.7	142.3	131.9
S	606.6	933.3	148.2	150.8	148.0	145.0	148.1	150.6	139.8	137.9
O	608.4	868.3	149.2	152.4	151.4	144.8	152.7	155.8	133.8	137.6
N	585.6	926.4	147.9	152.6	150.1	146.6	148.7	154.8	151.4	133.6
D	631.2	881.3	148.1	151.8	148.2	146.2	144.0	157.9	150.5	133.1
1961 J	642.7	889.6	146.7	152.7	149.9	148.5	143.2	157.1	171.4	133.3
F	636.5	888.3	147.9	153.4	154.8	153.1	152.0	156.2	177.0	137.3
M	652.4	874.8	148.5	153.7	155.4	153.4	148.7	165.9	166.6	135.9
A	724.3	1,030.7	149.8	155.4	153.5	151.2	161.0	155.3	149.5	139.7
M	704.7	1,042.5	149.1	154.1	148.1	147.6	151.7	149.6	145.8	137.5
J	706.2	1,038.4	153.4	158.2	155.6	153.9	166.6	156.4	154.9	141.3
J	761.8	996.0	154.0	158.8	157.9	155.4	166.5	159.3	180.9	146.3
A	776.9	1,114.6	155.5	157.8	154.1	149.5	160.5	156.1	148.8	141.5
S	752.3	1,148.9	156.8	159.1	154.0	148.7	162.2	158.0	142.0	134.6
O	730.6	1,094.7	156.8	159.3	153.7	150.3	166.4	160.8	138.8	133.7
N	717.0	1,221.2	158.9	160.8	155.8	152.1	162.3	162.6	147.8	138.8
D	776.3	1,102.6	160.8	163.5	159.4	154.5	155.3	166.7	154.2	143.4

TABLE 1. Volume Indexes - Continued

	Non-durable manufacturing									
	Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
	Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
Adjusted for seasonal variation										
1956 D	136.9	125.1	145.6	129.1	137.2	186.6	153.5	160.3	115.4	120.7
1957 J	128.9	123.6	140.2	135.3	134.0	162.5	163.0	164.1	114.2	119.6
F	129.0	127.5	142.8	133.9	134.9	173.9	157.8	160.4	116.0	119.7
M	129.0	127.3	143.6	137.6	140.0	161.8	161.5	159.2	119.0	123.7
A	130.9	121.1	134.9	106.6	137.8	162.0	161.3	148.0	114.8	119.3
M	131.7	122.8	139.7	133.6	134.2	161.5	163.1	150.9	117.4	123.8
J	133.3	124.2	144.4	129.4	139.4	175.6	163.8	149.5	115.0	119.7
J	130.4	127.8	147.6	129.6	138.3	191.8	164.8	144.7	116.3	122.8
A	129.4	126.3	144.9	130.6	140.1	175.1	160.2	140.3	117.0	122.2
S	128.0	128.1	144.7	124.9	143.8	171.7	166.9	140.3	114.7	119.4
O	127.8	129.1	146.7	134.2	142.6	173.1	159.6	141.2	113.8	119.8
N	127.7	124.3	145.6	131.0	142.8	171.8	157.7	138.0	113.7	119.7
D	128.6	123.4	144.6	135.6	143.1	160.4	160.2	131.1	114.5	118.8
1958 J	138.6	123.9	142.3	140.8	133.1	166.8	160.5	123.3	111.5	114.6
F	139.3	124.1	150.4	144.3	146.2	169.7	172.4	122.4	111.5	119.6
M	137.4	123.5	147.2	145.8	134.9	178.2	174.8	120.5	109.7	119.7
A	136.1	129.4	147.8	142.1	139.1	176.5	166.2	128.5	108.2	115.4
M	138.6	131.7	150.4	138.6	141.4	186.1	167.6	130.1	111.9	120.0
J	139.9	135.4	145.0	143.2	135.0	171.0	179.2	139.9	112.6	120.2
J	139.9	131.9	147.4	138.7	140.8	173.9	181.1	148.8	115.9	125.2
A	137.9	129.7	140.4	165.3	116.8	165.9	173.6	144.7	120.4	130.3
S	138.9	131.2	136.8	148.8	99.2	209.0	184.6	147.1	117.5	125.7
O	138.5	132.9	151.4	145.7	142.1	177.4	172.0	140.9	120.8	131.4
N	138.5	130.6	157.6	145.5	151.8	187.5	188.2	151.1	119.2	128.0
D	137.5	133.7	150.3	147.8	141.3	176.0	169.7	152.4	115.3	126.1
1959 J	141.4	138.6	145.5	145.2	121.1	203.2	169.0	157.8	120.1	129.9
F	142.9	141.0	146.8	144.0	120.9	211.5	185.8	166.1	120.9	133.9
M	140.3	130.0	151.1	135.8	145.1	184.9	175.3	163.6	115.0	123.9
A	139.6	137.5	152.6	148.2	137.6	194.9	179.4	172.8	127.4	137.0
M	138.9	135.8	157.2	152.3	142.2	200.7	172.1	169.2	124.0	133.4
J	138.4	136.3	155.3	151.0	148.8	178.6	175.7	163.1	122.9	134.8
J	142.3	136.2	151.9	159.7	138.5	175.3	166.7	159.9	125.3	135.3
A	142.0	134.8	181.6	170.9	162.2	243.3	168.1	161.6	121.8	132.5
S	142.4	133.6	158.6	161.4	143.7	191.7	181.9	158.0	117.1	127.1
O	145.2	135.2	159.4	177.0	141.3	189.5	199.3	154.9	121.1	134.9
N	144.8	133.2	155.7	154.9	152.7	164.1	186.3	154.6	114.6	125.4
D	148.0	131.1	155.2	164.8	139.6	181.4	189.7	148.3	117.7	132.7
1960 J	142.1	140.5	162.9	156.8	154.1	192.0	186.6	169.0	118.9	133.5
F	141.2	143.8	164.3	181.0	141.5	199.1	171.8	152.3	113.5	124.7
M	142.3	160.4	160.5	160.2	147.7	192.6	183.1	153.4	112.8	124.6
A	140.5	138.8	152.0	142.7	144.9	179.9	164.5	141.9	109.6	121.3
M	141.4	138.4	164.1	171.0	148.5	193.1	175.9	130.3	105.3	116.4
J	143.7	140.9	159.5	150.3	143.7	207.8	176.6	139.6	105.6	116.2
J	146.8	142.8	150.9	154.1	150.3	148.9	164.6	139.9	107.5	113.7
A	146.6	139.3	167.4	151.6	144.4	235.7	185.5	140.2	110.7	122.6
S	146.9	143.9	157.4	157.8	136.1	205.8	188.7	137.3	118.0	133.0
O	146.2	140.5	172.3	174.0	155.4	213.9	196.0	133.1	113.3	126.8
N	144.1	144.1	161.2	180.6	144.9	177.8	185.7	135.0	111.9	122.5
D	145.1	144.0	154.7	147.5	147.9	180.5	199.6	136.5	116.7	129.4
1961 J	145.6	140.0	154.5	169.9	137.4	177.2	193.0	132.0	115.1	124.5
F	146.2	148.6	160.1	168.6	142.9	192.1	189.1	122.1	118.9	130.8
M	148.2	152.5	161.7	150.0	143.8	217.1	185.6	131.9	120.8	129.7
A	149.7	148.3	160.8	163.6	144.8	194.5	189.2	143.0	122.8	133.0
M	150.5	146.5	149.6	137.8	139.1	181.8	187.9	142.5	121.9	129.6
J	155.2	145.5	161.0	168.2	142.4	196.0	206.3	146.3	126.9	136.3
J	148.9	134.2	165.8	176.4	151.9	187.5	190.9	154.3	127.2	140.6
A	147.5	141.8	168.6	173.6	152.0	204.6	203.0	150.5	121.8	133.4
S	148.2	143.0	170.5	181.1	149.5	210.7	191.7	153.4	126.1	136.1
O	149.9	146.3	164.3	154.3	154.6	201.5	205.6	156.8	125.9	136.7
N	150.1	147.5	167.7	174.3	148.0	207.2	197.1	150.2	129.4	142.0
D	151.2	153.7	175.0	175.3	156.4	220.9	193.3	170.3	130.6	141.7

TABLE 1. Volume Indexes - Continued

		Non-durable manufacturing									
		Textiles				Clothing			Paper products		Printing, publishing and allied industries
		Total	Cotton goods	Wool goods	Synthetic textiles and silk	Total	Men's women's and children's clothing	Knitting mills	Total	Pulp and paper	
Adjusted for seasonal variation											
1956 D	122.2	101.6	97.2	161.3	117.6	113.9	131.8	138.6	138.2	139.5	
1957 J	120.5	103.6	88.7	159.0	118.3	111.9	141.0	137.8	137.5	141.3	
F	124.2	110.2	94.6	161.9	118.1	112.9	136.0	139.4	139.1	143.5	
M	120.3	101.6	100.8	153.7	119.9	114.3	139.8	142.3	140.3	141.4	
A	119.0	99.3	90.2	159.4	119.2	115.8	133.3	138.0	137.0	141.2	
M	119.9	99.5	90.1	164.1	118.3	113.7	135.5	139.2	138.3	138.0	
J	117.0	102.5	90.9	148.6	118.7	114.6	132.9	137.4	136.1	141.8	
J	119.7	104.2	89.5	157.2	118.9	116.7	127.8	136.7	135.1	139.6	
A	118.5	100.4	89.7	156.4	119.4	116.6	129.7	137.3	135.5	135.6	
S	114.9	96.4	81.9	153.9	115.8	111.6	128.0	135.2	132.9	137.3	
O	113.2	96.6	77.3	152.0	113.3	109.3	123.5	133.8	131.3	133.2	
N	115.3	97.7	80.9	157.7	111.2	106.5	122.9	130.8	127.6	130.0	
D	104.1	89.1	69.4	135.2	110.8	106.4	123.1	117.2	110.4	132.9	
1958 J	101.8	89.3	75.5	125.3	113.9	111.5	124.3	122.7	117.2	128.6	
F	100.9	85.2	69.0	133.8	113.4	109.6	127.4	129.6	126.6	132.4	
M	97.7	84.2	69.6	122.3	114.4	111.8	125.5	132.0	129.5	135.0	
A	103.9	89.0	72.5	136.2	112.6	108.7	124.7	135.0	132.0	131.3	
M	109.0	91.6	78.1	147.0	113.1	109.4	124.9	136.6	132.7	135.4	
J	110.4	90.2	68.1	158.5	113.9	111.1	121.4	134.4	130.0	130.5	
J	112.1	82.1	69.9	171.9	116.1	112.8	126.9	136.6	132.2	130.5	
A	113.3	90.9	78.0	158.1	116.7	113.6	127.9	135.7	130.9	133.8	
S	113.2	98.0	74.7	150.5	114.5	111.1	125.1	138.2	133.9	133.4	
O	117.9	92.8	81.2	168.4	113.1	107.5	127.2	145.3	140.9	134.9	
N	117.2	93.0	80.2	165.9	114.8	109.0	130.3	143.2	139.3	147.3	
D	116.1	90.7	74.0	168.4	115.8	111.0	129.8	136.2	131.6	136.1	
1959 J	121.3	96.4	81.3	174.2	110.0	105.7	116.4	140.4	136.5	136.2	
F	123.2	98.3	81.6	177.4	112.3	106.6	120.9	140.0	135.5	134.1	
M	120.7	99.5	73.1	170.7	112.5	107.4	121.0	138.5	132.5	141.3	
A	129.1	104.1	84.1	187.6	114.2	109.0	126.2	144.5	140.0	145.0	
M	128.9	98.4	89.9	187.6	115.7	111.9	122.2	146.1	143.0	142.5	
J	126.7	97.9	85.1	181.6	118.1	114.1	125.4	144.5	141.5	140.6	
J	127.8	85.1	85.5	200.0	114.9	110.6	122.5	145.2	142.5	142.0	
A	127.3	92.6	90.5	187.2	111.3	108.4	113.7	142.9	139.8	140.8	
S	124.5	86.9	96.9	179.0	113.7	114.3	106.5	145.2	142.6	146.4	
O	125.0	88.1	87.0	187.5	112.2	109.6	110.7	150.1	148.7	152.3	
N	122.7	86.3	82.1	186.1	110.1	107.4	109.2	152.6	152.0	151.3	
D	120.8	90.6	82.7	176.2	109.4	108.5	104.7	147.8	146.2	146.0	
1960 J	129.4	88.8	97.0	198.9	111.4	109.5	112.2	147.8	147.6	152.8	
F	123.0	86.0	77.8	190.6	110.3	110.6	104.5	147.2	145.2	148.6	
M	128.4	91.5	85.0	199.8	110.8	110.4	106.5	148.7	150.3	143.4	
A	121.1	87.2	77.4	184.2	109.4	111.4	99.9	144.4	143.9	141.2	
M	124.0	90.7	73.1	196.0	108.0	110.1	100.2	147.0	145.8	143.3	
J	122.7	89.2	75.6	192.3	107.5	109.3	100.5	149.0	149.2	148.8	
J	117.1	88.6	67.9	177.9	106.7	108.3	99.3	148.6	148.3	145.8	
A	114.3	85.8	76.7	163.4	108.3	109.3	101.9	148.4	147.9	141.4	
S	118.7	83.1	78.4	181.8	107.3	108.9	100.2	149.2	148.9	145.2	
O	123.3	91.5	79.9	188.9	106.4	106.8	104.7	150.0	149.6	150.1	
N	120.9	92.1	72.3	184.7	106.9	108.4	101.7	153.9	155.4	153.3	
D	127.5	99.6	76.9	199.3	108.4	110.3	105.3	146.7	145.8	146.9	
1961 J	127.9	93.8	78.7	204.5	108.6	110.7	103.7	148.7	148.7	149.8	
F	125.1	91.2	73.6	199.8	107.4	110.7	98.3	150.1	152.1	144.8	
M	126.7	87.8	76.6	206.4	107.7	111.8	96.1	149.9	150.2	146.5	
A	127.4	91.6	79.2	202.7	105.9	107.4	98.5	153.1	153.1	147.7	
M	132.1	96.6	80.7	213.4	106.6	107.4	99.7	150.8	150.0	146.1	
J	137.0	97.5	91.5	222.2	107.7	108.9	101.5	154.3	152.6	142.6	
J	142.3	110.0	85.9	231.5	108.9	109.2	107.3	154.9	154.0	145.8	
A	128.7	96.8	72.2	205.0	106.3	107.9	100.3	154.9	153.7	148.7	
S	138.9	97.8	86.3	232.0	108.4	110.0	103.1	155.5	156.3	151.1	
O	139.4	109.5	79.5	225.0	110.8	114.9	101.6	154.8	154.8	154.0	
N	140.1	106.5	78.7	229.8	111.5	116.0	101.9	156.3	156.3	151.7	
D	147.6	109.7	80.6	252.1	113.7	116.8	108.8	157.3	157.5	151.6	

TABLE 1. Volume Indexes - Continued

		Non-durable manufacturing					Durable manufacturing			
		Products of petroleum and coal		Chemicals		Miscellaneous manufactures	Durable manufacturing total	Wood products		
		Total	Petroleum products	Total	Acids alkalies salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods
Adjusted for seasonal variation										
1956	D	225.7	238.5	177.2	187.8	150.9	157.9	131.8	134.3	237.1
1957	J	219.9	232.2	179.0	189.4	152.2	153.7	123.2	122.0	209.3
	F	227.9	240.9	183.3	191.0	154.3	153.9	128.6	129.9	223.8
	M	233.2	247.0	182.7	193.2	155.4	154.0	131.4	133.7	232.0
	A	230.6	244.4	183.6	196.6	155.8	149.7	130.1	132.0	233.0
	M	227.4	240.6	175.7	199.2	155.6	149.7	129.1	130.7	257.8
	J	227.6	241.3	175.6	193.7	155.5	147.5	131.2	133.0	238.3
	J	229.8	243.9	178.9	194.2	154.8	146.0	128.0	128.4	238.1
	A	222.1	234.9	184.6	195.5	154.6	145.3	128.9	130.0	253.0
	S	216.0	228.5	187.2	200.2	153.3	139.9	124.1	123.5	232.2
	O	216.3	229.9	187.6	202.6	150.4	139.4	124.7	125.3	251.9
	N	216.7	230.1	192.5	205.6	148.9	141.0	122.1	122.1	216.5
	D	216.2	230.1	189.5	206.7	149.5	136.5	120.0	119.7	229.4
1958	J	224.2	239.4	188.0	211.1	149.8	139.6	125.7	129.5	239.5
	F	213.8	228.1	185.8	213.6	151.4	139.0	127.1	132.0	244.6
	M	213.1	227.2	188.8	216.0	153.5	138.7	126.5	130.4	242.9
	A	206.2	220.0	195.2	225.2	158.0	139.4	128.0	130.6	237.2
	M	209.6	223.9	201.7	227.0	162.8	143.1	132.8	135.5	230.7
	J	211.0	226.0	200.1	228.0	166.8	143.1	131.2	132.6	241.1
	J	215.2	230.8	205.2	234.1	170.6	139.1	131.9	133.5	231.7
	A	208.8	225.6	204.9	234.9	173.0	136.5	133.1	135.6	243.4
	S	212.0	229.6	198.9	233.2	174.0	136.7	134.3	138.1	261.3
	O	215.0	232.1	201.6	230.5	174.5	136.4	137.8	143.1	282.2
	N	228.6	246.6	209.4	231.3	177.2	139.7	141.0	147.7	273.9
	D	237.8	256.4	198.8	231.4	181.3	144.6	137.8	143.3	284.5
1959	J	234.6	253.0	205.1	236.1	180.9	145.9	140.9	147.6	270.8
	F	240.0	258.4	208.7	240.7	181.4	147.7	143.4	150.6	292.7
	M	252.0	271.5	204.5	242.2	179.9	147.3	137.4	142.4	270.6
	A	242.4	260.0	205.5	239.6	177.5	151.6	145.2	153.1	294.7
	M	246.9	264.6	206.8	239.7	179.6	150.1	143.1	148.8	260.4
	J	232.8	249.8	199.1	242.3	181.5	153.2	146.0	152.9	295.1
	J	234.3	251.2	210.2	244.5	183.4	151.8	123.4	120.7	140.2
	A	232.7	248.9	211.7	252.9	184.4	145.8	115.8	109.8	100.5
	S	244.9	263.2	213.9	259.0	185.0	149.0	127.7	127.3	215.7
	O	242.7	260.1	212.0	256.3	187.6	155.8	139.4	144.7	260.1
	N	247.2	264.5	214.4	254.9	187.1	145.3	138.3	143.2	309.7
	D	257.8	275.9	214.7	258.5	186.4	152.3	149.6	161.3	325.4
1960	J	255.7	274.3	221.5	262.2	186.0	155.4	143.1	151.6	300.1
	F	251.7	270.1	219.1	256.3	187.6	151.9	140.3	147.4	294.3
	M	254.9	273.1	221.4	254.7	189.5	152.2	138.9	145.2	304.5
	A	265.9	285.9	216.7	250.8	190.4	148.1	138.7	145.1	283.5
	M	257.1	276.9	216.4	261.5	187.8	146.5	133.3	138.0	286.5
	J	257.9	278.8	221.6	264.8	188.5	145.0	135.2	140.7	282.5
	J	247.5	267.2	224.8	272.3	190.4	140.9	134.1	138.0	230.6
	A	247.1	266.7	222.1	272.8	191.0	142.3	134.9	138.7	253.3
	S	241.1	259.7	223.6	265.1	192.7	145.1	134.5	137.9	244.6
	O	243.4	262.0	219.7	258.6	196.2	145.5	130.9	133.5	214.4
	N	251.0	271.4	214.3	254.9	198.8	142.5	131.6	135.8	262.9
	D	252.7	273.4	215.4	254.6	199.7	143.8	139.9	149.0	262.7
1961	J	243.7	263.5	220.2	254.6	198.1	139.8	132.5	137.0	252.1
	F	249.7	269.9	220.8	255.5	201.0	141.5	133.8	139.6	248.0
	M	246.1	265.6	216.6	258.4	200.0	142.5	136.9	144.2	277.4
	A	272.8	294.8	219.8	254.5	201.1	143.1	138.6	146.5	274.5
	M	267.4	288.6	220.8	262.5	206.2	143.2	133.0	137.8	292.7
	J	259.9	279.2	228.0	265.9	210.9	147.9	138.8	145.2	312.3
	J	228.6	243.8	227.0	259.6	213.2	148.4	143.7	152.3	334.1
	A	276.2	298.0	225.7	257.9	216.4	152.8	141.0	148.2	361.9
	S	272.3	293.2	220.6	254.1	220.7	154.2	143.3	151.1	329.8
	O	254.5	273.7	220.4	251.4	224.6	153.9	138.2	143.5	262.0
	N	266.8	287.6	223.7	253.6	229.3	156.7	148.6	158.4	316.2
	D	265.3	285.8	223.9	258.0	230.5	157.6	152.4	163.7	315.6

TABLE 1. Volume Indexes - Continued

	Durable manufacturing									
	Wood products		Iron and steel products					Transportation equipment		
	Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
Adjusted for seasonal variation										
1956 D	121.1	140.0	150.5	157.9	160.3	163.0	138.1	175.1	325.3	218.7
1957 J	107.9	139.7	149.9	158.7	150.2	165.3	137.6	164.9	337.1	189.7
F	118.6	139.9	148.2	158.6	151.2	158.2	136.3	163.3	346.2	185.4
M	122.8	140.7	149.0	157.8	157.9	157.0	131.9	161.7	349.0	183.4
A	120.1	140.4	143.6	154.8	123.8	155.7	131.7	151.1	339.7	158.9
M	115.4	141.0	143.7	152.4	145.9	151.9	128.2	153.5	348.7	164.9
J	120.5	143.3	141.7	150.5	141.1	146.4	128.2	151.5	355.7	160.1
J	113.6	143.5	142.4	147.3	129.7	151.5	127.0	147.0	359.2	148.6
A	114.2	143.4	136.4	143.7	120.7	143.2	125.1	154.2	359.7	169.5
S	108.0	142.4	133.2	137.9	104.9	141.3	120.8	141.1	365.1	138.8
O	108.7	140.6	132.4	134.5	110.1	142.7	117.5	134.6	356.8	127.9
N	108.9	139.5	128.6	132.2	103.5	136.1	116.8	146.1	351.0	158.3
D	103.2	138.4	126.0	129.3	94.7	134.4	116.4	133.5	348.9	128.0
1958 J	116.3	134.5	128.7	123.6	150.5	130.9	123.1	132.5	341.2	131.1
F	118.5	133.6	126.4	120.7	144.2	128.3	124.5	138.5	333.5	150.9
M	116.4	135.7	127.9	122.9	146.5	130.9	126.1	134.5	332.5	139.8
A	116.2	141.3	129.3	123.7	138.7	135.1	131.6	127.1	337.8	120.3
M	122.2	146.6	130.3	122.9	148.5	127.7	137.2	136.5	336.1	143.8
J	116.2	147.2	132.1	121.7	149.5	134.0	139.6	136.1	331.1	140.3
J	118.5	148.0	128.9	122.2	138.4	126.1	143.0	125.4	335.1	119.1
A	120.0	147.8	127.3	123.0	141.9	101.8	146.1	116.8	336.2	106.1
S	121.5	145.7	124.5	121.3	125.7	100.0	148.7	121.0	338.6	114.2
O	125.6	146.3	121.5	121.6	127.6	91.9	145.0	131.3	327.3	143.6
N	133.7	146.9	128.6	123.9	129.8	120.4	139.6	131.6	319.4	144.4
D	126.0	146.1	133.1	124.3	133.9	141.6	138.7	150.4	317.0	190.9
1959 J	133.3	145.7	136.6	126.1	125.0	150.7	143.4	139.2	319.2	156.8
F	134.1	147.3	137.4	129.3	132.4	149.2	145.7	140.3	260.7	166.9
M	126.4	145.4	138.4	128.9	139.4	149.5	143.6	135.6	236.0	157.8
A	139.0	147.0	144.3	130.4	154.1	163.1	147.8	134.9	240.0	155.5
M	134.9	149.8	143.0	135.1	146.5	155.3	148.9	134.6	242.0	155.4
J	136.4	148.9	146.8	139.5	144.0	159.6	151.9	139.7	246.7	165.9
J	110.0	147.5	149.8	141.2	159.6	164.8	153.4	148.9	244.8	191.9
A	100.6	146.7	150.6	138.6	166.7	168.1	154.5	127.2	243.3	140.0
S	112.9	146.2	151.6	138.6	161.5	180.9	156.4	123.1	240.7	126.9
O	133.3	144.9	157.0	141.8	186.9	186.9	153.6	140.8	241.0	174.1
N	125.9	144.7	154.3	142.0	165.6	188.7	149.9	97.6	243.0	74.5
D	150.8	141.2	158.6	139.0	181.0	208.1	149.6	111.3	238.4	111.3
1960 J	139.5	141.4	150.8	138.2	168.1	183.5	148.4	141.3	238.6	179.7
F	134.6	141.7	145.3	137.6	136.3	183.9	146.3	132.3	234.8	156.2
M	131.0	141.8	144.3	138.1	141.8	183.4	145.2	135.7	231.0	167.6
A	134.9	141.1	139.3	139.0	135.4	162.3	144.0	130.9	233.5	157.4
M	126.3	139.9	137.6	137.6	129.8	160.9	143.9	132.2	234.6	163.9
J	131.4	139.7	134.2	136.0	125.0	148.6	145.8	127.8	235.5	154.8
J	134.0	141.9	130.4	137.1	121.8	143.5	142.9	117.9	225.2	135.1
A	132.0	143.0	132.1	136.0	119.1	151.8	142.3	120.5	225.5	143.7
S	132.2	143.7	131.7	132.9	140.4	162.1	143.5	136.6	236.7	181.0
O	129.8	142.2	133.2	131.8	153.7	161.4	143.0	139.4	244.1	187.6
N	126.9	140.0	135.8	130.4	195.7	156.4	142.0	121.4	254.5	142.0
D	145.9	137.6	135.7	127.7	205.3	148.2	142.2	121.9	261.2	143.6
1961 J	129.2	140.5	129.4	127.6	160.0	140.7	143.4	120.1	264.2	137.6
F	132.5	138.5	132.1	129.1	156.9	150.9	143.2	122.9	269.1	144.2
M	135.1	138.1	136.2	131.4	163.4	160.1	142.0	117.8	266.9	133.4
A	138.2	138.9	134.8	131.8	141.0	161.3	141.8	118.8	265.8	141.5
M	122.9	141.2	136.3	131.3	117.9	183.6	140.3	118.6	266.0	143.0
J	129.7	144.9	140.8	131.5	151.1	183.4	141.5	126.9	271.1	154.8
J	135.9	145.7	141.1	132.9	144.3	180.1	141.1	128.8	262.4	155.1
A	126.5	146.1	147.6	135.6	176.5	196.3	139.6	139.3	262.1	173.2
S	134.4	146.9	145.9	138.1	166.8	188.2	138.3	141.8	266.6	180.0
O	132.4	146.3	142.7	137.3	152.0	182.9	139.2	143.3	274.1	185.2
N	147.4	146.6	140.4	136.3	126.7	177.1	140.3	145.1	279.7	186.0
D	154.0	148.2	141.2	137.6	120.0	177.5	142.9	141.4	283.8	177.1

TABLE 1. Volume Indexes - Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Adjusted for seasonal variation										
1956 D	141.1	93.7	158.8	137.9	115.9	154.6	193.6	172.9	402.1	164.3
1957 J	139.3	95.0	160.7	137.4	112.3	154.5	192.2	175.0	390.4	159.8
F	134.1	95.8	161.4	136.4	109.4	153.3	192.7	175.8	391.0	165.1
M	127.3	95.7	163.4	134.9	106.2	152.0	189.9	174.1	388.0	161.5
A	125.8	95.3	165.0	133.5	103.2	151.5	192.4	170.2	445.9	153.2
M	123.2	95.2	163.9	129.0	103.9	144.4	192.6	167.3	463.7	150.3
J	120.8	94.5	163.6	117.5	105.1	126.2	190.9	164.3	445.1	155.0
J	121.0	93.5	164.1	118.1	106.9	126.7	183.6	161.9	380.0	150.5
A	117.8	92.1	165.0	119.2	107.5	128.3	179.3	158.9	346.2	152.1
S	112.9	89.2	164.3	116.2	106.0	124.3	175.5	157.0	334.5	144.3
O	108.2	88.4	158.2	126.8	104.0	141.7	174.7	154.4	344.4	145.3
N	111.5	87.9	154.5	131.3	102.0	149.2	175.4	150.7	358.6	148.8
D	111.5	84.9	155.3	128.6	99.3	146.2	175.5	151.3	359.0	143.7
1958 J	105.9	82.2	155.4	135.2	96.4	157.8	178.2	150.0	418.9	137.0
F	103.2	81.4	150.7	136.9	99.2	159.6	169.6	146.4	370.3	133.3
M	105.5	80.3	151.8	135.1	102.5	156.1	171.1	145.4	397.2	132.1
A	107.5	77.6	153.1	137.0	103.1	158.1	177.3	145.5	460.6	136.0
M	111.5	75.7	155.5	136.3	108.6	155.6	176.3	148.1	426.4	149.5
J	116.0	75.1	162.5	135.9	115.2	152.3	177.6	151.9	440.8	154.0
J	106.6	72.8	156.9	126.5	116.9	136.9	181.3	158.1	458.0	153.7
A	104.2	68.8	133.0	122.7	118.5	130.9	182.0	158.2	452.2	151.1
S	120.7	64.2	123.1	125.1	117.7	134.4	176.3	152.4	397.7	161.0
O	119.6	63.4	124.7	108.1	120.7	106.2	175.3	147.9	390.4	168.7
N	122.9	61.8	129.6	108.9	120.9	105.9	178.0	141.6	408.0	180.7
D	131.3	58.4	131.2	110.7	118.9	109.9	173.7	139.6	363.4	177.2
1959 J	136.2	58.7	140.3	123.2	120.4	129.1	180.3	137.3	437.2	182.7
F	141.4	60.4	142.2	126.0	122.1	132.2	179.6	140.3	436.8	176.9
M	143.0	61.0	143.5	136.8	122.0	149.3	176.4	140.1	418.3	165.2
A	140.8	61.8	145.6	140.4	122.5	154.0	182.5	142.8	448.0	169.7
M	135.5	63.3	147.0	136.3	121.0	147.8	185.3	146.3	437.7	171.5
J	138.6	63.2	146.6	137.4	119.2	148.5	186.5	149.2	402.2	177.7
J	133.2	63.0	147.2	131.1	118.1	139.5	187.4	147.2	428.9	172.3
A	125.8	63.5	147.8	128.7	119.0	135.7	189.6	143.9	425.1	202.8
S	134.6	63.0	147.1	136.5	119.7	147.9	189.3	146.1	391.4	206.1
O	133.6	62.5	143.7	137.0	118.3	149.0	189.0	146.0	382.0	193.2
N	112.1	60.7	139.1	137.7	117.4	151.4	187.4	141.1	402.3	183.2
D	116.9	57.9	133.7	140.0	114.1	156.1	190.5	142.6	433.1	191.6
1960 J	130.2	56.0	147.0	142.6	116.1	159.5	190.7	140.2	429.4	199.3
F	135.3	53.4	147.6	148.4	118.9	167.6	190.4	139.7	436.1	195.4
M	130.6	52.8	149.0	153.2	119.8	174.7	191.1	140.6	445.3	191.0
A	125.9	53.3	146.8	149.0	118.9	168.5	189.3	141.7	431.4	192.2
M	122.1	52.7	143.3	146.5	116.3	164.9	184.4	140.6	419.6	171.7
J	117.0	52.5	144.3	150.1	114.1	171.4	180.6	139.5	389.9	169.4
J	111.6	51.6	141.9	150.2	115.7	171.6	177.0	138.0	372.4	164.8
A	109.8	51.3	138.0	151.5	116.1	173.5	175.5	137.2	353.4	170.6
S	116.1	50.8	137.3	148.0	112.5	169.8	176.6	135.0	383.3	165.0
O	117.0	49.7	135.1	148.2	110.3	169.9	174.1	130.8	378.9	171.8
N	112.0	47.5	137.1	148.2	113.2	169.2	168.6	124.8	378.9	156.5
D	110.7	46.2	133.9	148.2	110.7	170.1	168.6	124.8	379.3	163.7
1961 J	111.7	45.8	137.1	149.7	114.1	170.8	166.3	124.7	370.7	156.6
F	113.0	44.2	137.4	146.1	115.6	164.7	170.2	124.9	414.0	144.5
M	114.4	42.9	131.8	148.3	115.5	168.5	171.5	125.3	161.2	397.5
A	110.8	41.9	119.5	145.8	116.4	164.4	173.3	127.1	383.4	171.9
M	111.5	40.4	113.6	151.2	118.9	172.7	171.2	129.2	373.4	158.6
J	113.4	40.3	146.0	146.0	122.3	163.5	180.6	131.7	409.4	178.6
J	124.7	42.1	147.8	140.7	123.7	155.3	183.2	133.8	434.8	166.6
A	139.8	44.5	149.5	141.8	124.5	156.2	184.1	135.2	404.9	181.7
S	130.0	44.9	159.2	145.1	128.0	159.8	190.1	134.2	439.3	189.2
O	126.0	42.6	161.6	150.0	128.3	167.9	192.2	138.2	447.8	178.5
N	129.9	42.4	165.7	155.9	128.9	176.5	197.8	139.5	472.3	188.6
D	124.0	42.8	170.0	152.5	126.2	171.4	207.1	142.6	557.6	184.5

TABLE 1. Volume Indexes - Concluded

	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products				Total	Electric power	Gas
	Total	Concrete products	Hydraulic cement	Domestic clay			
Adjusted for seasonal variation							
1956 D	184.5	310.6	201.7	138.5	212.9	216.0	184.6
1957 J	179.9	275.2	206.9	131.0	217.3	221.1	183.0
F	184.7	338.7	205.5	120.2	217.5	220.4	191.3
M	187.7	345.1	216.2	143.1	216.5	220.8	177.7
A	184.5	340.2	196.2	143.6	219.1	222.4	189.5
M	186.9	347.7	203.3	137.2	217.2	220.7	185.5
J	189.1	344.5	212.9	148.2	214.9	218.4	183.9
J	198.3	356.2	261.2	146.5	221.3	225.3	185.1
A	195.9	362.5	237.4	155.7	218.1	221.1	191.2
S	197.2	372.0	240.4	152.2	220.4	223.6	191.2
O	192.7	362.2	224.8	153.0	223.6	226.4	198.5
N	194.6	380.1	227.1	151.3	228.4	230.3	211.5
D	190.5	405.3	193.6	145.0	228.3	231.3	201.5
1958 J	196.0	443.8	205.3	148.6	235.4	238.0	212.1
F	186.2	378.1	203.6	135.9	238.3	239.9	223.6
M	189.3	389.1	199.2	158.5	236.5	238.1	221.8
A	199.0	455.8	223.7	150.7	235.3	236.3	226.6
M	212.4	528.4	233.3	162.3	233.7	237.2	202.2
J	206.6	495.0	238.2	159.0	236.6	238.3	221.3
J	206.1	499.9	214.8	162.0	234.9	236.9	217.3
A	204.9	473.5	220.4	160.5	234.2	236.0	218.5
S	210.6	482.5	222.5	163.1	238.6	239.0	235.5
O	212.2	484.5	234.7	166.1	238.5	240.1	224.1
N	213.9	473.8	231.0	177.8	245.1	244.9	246.7
D	217.3	480.5	232.9	177.4	257.6	253.3	296.6
1959 J	213.0	476.2	203.0	174.3	255.5	249.5	309.2
F	222.8	553.2	181.6	182.4	258.0	253.4	298.9
M	227.3	579.0	196.0	172.3	258.1	254.7	288.8
A	228.4	555.0	224.5	164.2	264.6	263.2	277.5
M	221.8	503.4	234.1	172.3	263.3	259.4	297.9
J	222.6	524.8	227.6	164.2	269.6	266.1	300.6
J	225.6	545.0	243.3	166.8	260.9	256.6	299.1
A	220.0	512.5	228.9	171.5	270.6	262.3	345.0
S	231.9	579.4	254.0	160.2	280.7	270.9	368.7
O	221.9	549.1	211.3	168.2	278.1	270.0	850.5
N	218.4	503.4	209.5	172.3	285.3	275.2	376.1
D	221.0	533.6	214.1	179.0	284.9	276.6	359.5
1960 J	221.7	556.0	180.1	189.3	287.5	279.0	364.0
F	220.0	555.8	190.9	180.9	288.9	281.5	355.2
M	210.6	503.9	187.1	172.0	299.6	289.8	387.6
A	200.1	449.1	180.0	174.4	293.0	284.3	370.7
M	206.4	485.8	199.6	165.5	294.5	285.7	373.4
J	209.3	499.5	206.6	153.3	302.1	292.3	390.1
J	206.4	504.8	201.2	148.6	297.8	287.8	387.2
A	209.5	504.2	217.9	132.0	314.6	297.7	466.4
S	207.9	513.3	213.3	128.3	308.7	296.9	414.8
O	210.7	514.0	221.8	139.3	301.4	287.5	425.7
N	217.4	555.1	215.1	130.4	298.9	285.5	419.5
D	215.9	545.7	217.7	152.4	305.6	289.9	446.7
1961 J	210.5	535.7	219.2	124.5	305.8	290.2	445.6
F	211.2	634.2	183.0	122.8	303.9	288.7	440.1
M	208.9	567.4	198.6	126.0	302.5	288.7	426.7
A	219.0	601.9	220.3	140.0	312.2	294.6	469.6
M	220.7	584.8	234.0	139.8	322.4	300.4	519.3
J	223.3	579.6	232.4	154.8	323.5	298.8	545.3
J	217.2	525.1	211.1	153.8	325.0	301.3	537.3
A	222.7	577.8	214.8	146.4	331.0	304.7	566.8
S	220.6	556.2	220.9	154.3	327.4	303.4	542.8
O	227.2	571.0	219.8	152.0	330.4	305.6	553.1
N	227.6	573.1	210.3	143.7	321.8	302.3	496.4
D	230.7	600.4	205.7	156.7	325.5	304.4	514.4

TABLE 2. Volume Indexes

	Industrial production total	Mining									
		Mining total	Metals					Non-metals		Fuels	
			Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
1956	154.9	212.3	151.0	107.9	410.6	135.2	139.0	187.6	188.4	344.7	74.6
1957	155.4	227.8	170.0	106.7	462.6	137.1	146.8	179.0	184.3	358.2	65.4
1958	154.4	227.0	180.3	109.7	321.5	131.8	110.2	170.9	178.3	329.5	56.7
1959	166.1	251.1	201.3	108.4	448.9	151.6	144.8	191.4	193.5	363.1	51.9
1960	167.4	253.3	197.9	111.2	406.3	168.7	166.9	192.6	201.4	380.2	53.3
1961	172.9	266.9	191.7	107.1	504.7	170.4	183.8	211.7	223.4	430.7	49.9
Unadjusted for seasonal variation											
1956 D	154.0	211.2	136.6	106.0	118.7	136.4	136.1	156.8	156.0	395.4	82.2
1957 J	150.6	210.7	135.7	100.4	162.9	116.5	152.0	163.8	170.7	396.9	76.2
F	157.4	219.2	149.0	107.7	203.2	144.9	151.8	180.4	192.2	389.0	81.5
M	158.6	217.7	152.9	108.5	228.8	138.3	153.1	177.0	190.5	369.2	64.2
A	154.7	217.6	152.5	107.3	272.4	129.4	145.1	192.3	198.1	363.3	62.0
M	158.1	227.9	160.1	105.4	430.5	119.1	148.5	189.4	191.7	370.0	58.4
J	162.3	240.9	180.0	108.3	689.5	124.1	146.3	182.1	174.8	367.3	54.0
J	153.7	237.2	177.9	102.0	699.4	118.0	145.2	157.8	155.7	368.4	45.1
A	155.5	239.6	187.6	100.8	734.9	134.6	153.4	178.8	173.9	349.5	46.3
S	157.4	244.4	196.9	112.4	784.8	155.3	147.6	192.7	198.7	344.9	65.6
O	156.7	240.1	194.8	111.3	756.8	140.0	143.0	185.4	195.5	338.6	82.7
N	156.7	221.1	177.8	109.2	353.5	165.5	137.9	178.8	188.0	314.3	76.7
D	143.2	217.6	174.8	106.7	235.0	159.1	138.2	168.4	181.6	327.0	72.5
1958 J	144.8	222.7	171.1	105.6	185.3	146.9	152.9	140.4	150.9	366.3	71.5
F	150.6	230.8	176.5	112.9	191.8	151.4	160.6	157.1	170.4	380.4	72.2
M	150.4	220.6	174.8	113.4	133.3	153.1	145.0	160.2	170.4	339.9	56.4
A	149.9	213.4	179.6	111.2	188.0	150.7	143.4	161.4	171.0	294.5	54.0
M	156.8	222.3	183.1	106.7	279.2	145.1	139.4	161.7	162.6	292.6	50.9
J	161.1	235.4	205.1	115.4	487.1	149.8	138.1	157.2	156.6	294.0	45.3
J	152.5	234.6	189.9	106.2	506.9	139.2	117.6	144.4	144.7	328.7	43.9
A	153.6	230.8	190.8	106.2	503.3	138.0	119.8	178.7	183.2	300.5	24.5
S	158.6	240.7	199.8	108.9	595.5	127.3	111.5	199.8	211.0	315.4	52.6
O	159.3	228.9	172.8	112.4	450.0	100.9	33.7	221.2	231.9	323.8	67.9
N	162.8	224.7	164.1	111.0	205.3	94.1	30.0	212.4	227.6	340.4	69.9
D	152.1	219.5	156.1	105.9	132.7	85.1	30.2	156.8	159.1	377.6	70.8
1959 J	154.0	230.7	165.4	105.7	155.9	110.3	73.6	152.5	155.9	403.6	67.9
F	162.5	244.7	185.2	112.8	183.2	138.2	127.4	170.4	178.7	401.9	52.6
M	161.4	236.6	187.0	109.7	196.6	144.9	136.5	187.2	195.0	361.3	40.7
A	164.3	233.8	193.9	109.6	259.1	148.4	146.6	189.3	190.7	325.6	54.0
M	167.4	235.5	195.8	110.2	412.2	145.8	152.1	190.1	188.3	310.9	34.7
J	173.4	255.2	205.6	104.5	646.6	170.8	157.0	217.9	212.0	344.8	38.4
J	163.1	260.5	217.6	106.4	621.9	161.2	148.3	188.9	184.3	344.4	46.9
A	163.7	256.2	210.7	101.2	643.3	156.6	153.6	187.1	182.2	347.2	28.3
S	172.6	278.3	225.0	105.7	834.5	165.1	153.2	206.0	201.3	390.0	58.2
O	176.6	270.1	223.5	111.4	729.9	160.8	157.5	215.6	222.0	361.6	67.8
N	171.7	260.0	211.6	117.4	534.1	163.0	159.8	227.3	240.2	361.6	69.5
D	162.3	251.3	194.1	105.9	170.0	153.9	171.4	164.5	171.2	404.6	63.6
1960 J	166.2	253.7	189.7	109.8	183.1	163.2	159.6	163.0	171.0	431.0	63.5
F	169.5	258.6	208.0	112.8	199.4	171.4	161.0	177.9	189.5	403.2	62.1
M	170.5	255.8	197.8	109.4	201.1	174.4	163.2	190.0	207.6	409.5	59.1
A	164.0	234.3	187.7	106.7	222.6	161.9	166.1	190.1	204.2	349.0	41.3
M	169.4	250.0	189.6	110.4	488.8	168.4	157.9	207.7	216.7	377.6	42.1
J	173.0	258.2	203.0	112.9	648.2	174.3	174.2	196.4	203.9	369.9	42.5
J	161.5	263.1	211.3	114.8	680.0	172.3	163.6	168.2	168.2	379.0	45.9
A	162.4	254.1	208.0	106.9	721.4	170.4	175.7	185.0	189.1	345.8	33.6
S	169.9	264.7	207.4	107.5	637.1	160.0	172.4	212.3	224.9	376.5	62.6
O	171.3	253.4	202.2	117.5	473.0	162.2	165.3	207.8	211.3	351.1	64.7
N	170.9	252.1	188.7	114.6	222.0	176.2	167.6	227.3	236.9	378.5	70.4
D	159.9	241.1	181.7	110.6	198.4	169.2	176.4	185.0	193.9	391.3	51.8
1961 J	160.0	247.6	183.2	109.8	266.8	162.2	169.4	177.8	187.3	417.0	55.8
F	166.5	255.1	186.9	113.2	279.3	162.3	173.5	200.0	223.9	426.4	54.5
M	164.6	235.4	173.1	110.2	251.5	158.1	159.2	205.8	228.2	380.5	41.2
A	166.4	243.8	174.5	112.9	289.0	161.1	159.8	203.8	216.9	401.0	45.8
M	171.5	262.9	182.8	107.8	466.2	162.8	180.8	206.5	222.2	429.6	50.7
J	179.8	274.1	201.6	106.7	625.3	182.9	185.2	226.5	237.6	417.4	46.3
J	168.7	275.7	206.9	103.9	890.9	170.8	187.5	192.7	197.6	423.2	41.3
A	172.4	276.6	198.0	100.6	738.5	170.1	184.6	215.2	221.8	428.0	26.1
S	182.4	293.0	209.7	100.7	772.7	171.8	200.7	229.7	235.0	457.2	52.8
O	183.8	285.1	210.3	105.3	749.5	184.1	203.1	236.1	243.1	426.5	63.7
N	184.9	286.1	195.6	107.5	410.6	182.2	213.8	240.4	252.6	477.7	63.2
D	173.8	267.8	177.2	106.4	316.3	165.3	188.0	206.4	214.1	484.2	57.6

TABLE 2. Volume Indexes - Continued

	Mining		Manu- facturing total	Non-durable manufacturing						
	Fuels			Non- durable manu- facturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
1956	235.0	812.7	145.1	138.1	133.1	131.4	144.7	130.5	134.4	116.9
1957	295.1	859.5	142.9	139.7	135.6	133.2	144.4	136.4	143.8	116.6
1958	401.6	782.6	140.7	141.3	141.9	140.1	151.7	143.0	146.1	130.6
1959	503.9	873.7	149.8	150.1	147.6	145.0	168.1	146.7	142.4	132.4
1960	589.2	909.9	149.3	151.8	150.2	147.1	156.5	152.8	149.5	132.5
1961	712.0	1,043.7	153.0	157.0	154.2	151.2	158.1	158.3	153.8	138.3
Unadjusted for seasonal variation										
1956 D	344.8	930.0	142.8	135.7	129.9	129.0	160.0	106.5	114.2	114.1
1957 J	382.6	940.3	138.4	130.3	106.9	107.8	124.0	99.5	71.0	110.8
F	371.1	910.4	145.3	139.8	113.5	113.2	140.2	109.1	71.0	117.0
M	314.6	890.4	147.5	140.7	119.2	116.5	159.5	117.0	67.0	118.1
A	294.2	879.7	143.3	136.8	117.9	112.4	122.1	129.1	63.4	111.0
M	220.3	912.4	146.7	139.5	130.3	124.9	121.2	154.0	104.3	115.0
J	201.1	914.3	150.7	145.5	150.2	143.8	167.6	180.8	130.9	116.7
J	181.9	934.6	141.0	135.6	148.4	143.1	119.5	166.5	218.6	110.9
A	191.8	878.6	143.0	144.7	156.6	155.6	128.4	160.7	279.4	119.5
S	229.4	829.0	144.2	148.7	160.1	162.9	181.1	151.8	258.3	124.9
O	321.4	772.6	142.8	144.7	152.4	152.9	137.8	134.5	237.7	117.7
N	389.9	707.4	144.0	142.9	145.5	139.7	169.2	120.6	128.4	125.9
D	443.1	744.3	128.3	127.5	126.2	125.4	161.9	113.7	95.1	112.1
1958 J	468.5	853.2	128.9	125.2	113.4	116.7	152.8	107.6	65.9	117.2
F	490.4	889.1	134.5	132.7	116.9	115.4	140.3	115.7	65.3	120.5
M	469.9	804.7	136.3	134.1	121.0	117.8	144.4	126.8	66.3	128.9
A	370.7	692.5	137.1	135.2	128.6	122.9	141.1	138.2	69.0	127.3
M	310.3	699.1	144.8	141.1	141.2	135.8	141.1	159.2	105.9	138.5
J	274.1	716.3	148.8	145.4	153.1	147.7	141.3	187.2	147.2	132.0
J	261.0	817.0	139.2	138.3	153.8	150.4	136.2	172.9	214.0	121.8
A	282.2	768.7	141.0	146.6	158.3	159.0	147.5	167.5	248.0	134.0
S	352.2	755.3	145.0	150.9	158.9	162.6	154.7	156.2	263.4	132.1
O	388.2	749.0	146.3	153.4	164.9	166.5	169.5	139.6	247.4	136.4
N	519.4	778.0	149.6	154.7	158.7	152.3	184.3	125.6	148.8	153.2
D	632.0	868.5	136.5	138.3	134.3	134.2	167.6	118.9	112.3	125.6
1959 J	675.9	941.3	137.0	136.0	119.7	124.2	171.2	109.2	65.9	128.2
F	612.0	969.2	145.1	144.4	122.4	123.7	158.9	119.3	62.7	133.4
M	546.4	883.0	145.7	144.0	124.9	122.6	166.4	129.1	60.7	127.7
A	456.1	770.2	149.7	148.3	137.6	133.4	179.4	138.7	72.3	132.8
M	417.0	766.1	154.1	151.9	147.2	141.5	169.0	164.4	99.6	135.5
J	376.6	859.0	159.3	154.4	159.5	152.3	158.0	190.4	151.2	130.7
J	336.1	847.8	147.4	144.9	157.3	153.6	156.9	175.3	198.0	129.0
A	369.1	883.5	148.4	155.8	173.6	165.3	160.9	170.7	260.3	132.8
S	424.7	946.9	155.2	159.3	166.8	166.1	180.7	165.7	238.8	131.4
O	511.2	841.7	159.6	160.4	165.9	165.3	175.7	145.3	213.3	140.9
N	651.3	823.8	153.4	157.9	159.2	155.5	185.8	130.1	158.3	141.8
D	670.3	951.9	142.9	143.4	136.9	136.3	154.6	122.1	130.0	124.2
1960 J	703.1	1,022.6	146.5	144.0	124.9	128.2	177.6	118.6	68.4	125.5
F	697.2	947.7	149.4	148.3	128.4	127.5	159.3	128.0	73.1	127.0
M	697.8	970.5	150.9	149.2	130.4	127.4	158.9	133.9	63.9	131.0
A	553.5	846.8	147.5	146.8	136.3	131.7	161.2	147.2	73.5	130.1
M	500.7	931.1	152.9	152.3	153.0	145.6	157.8	173.8	123.7	132.8
J	463.5	912.8	156.6	156.3	160.8	153.0	146.8	197.2	148.4	133.7
J	431.0	936.0	143.6	146.4	162.3	160.5	147.7	178.6	228.3	128.8
A	436.7	863.4	145.3	153.9	167.0	162.1	147.4	172.9	242.6	130.8
S	485.3	895.0	151.9	159.7	168.2	167.7	153.7	166.9	250.1	140.9
O	571.9	811.0	154.4	161.6	172.9	168.8	163.5	151.6	236.2	141.9
N	690.4	865.3	152.5	158.9	162.0	156.3	168.6	134.4	159.7	141.3
D	839.5	916.6	139.9	143.6	136.7	136.5	135.8	130.4	126.3	126.7
1961 J	854.1	980.2	138.6	142.1	122.6	126.4	150.9	121.3	72.7	127.7
F	816.0	1,012.7	145.0	148.8	129.9	129.4	146.1	130.1	76.9	134.4
M	780.3	910.7	146.3	149.5	132.6	129.8	145.9	146.3	68.1	135.2
A	698.2	968.9	147.9	152.2	140.9	136.1	164.1	149.2	70.0	138.9
M	613.1	1,049.8	152.3	154.7	147.4	143.5	149.6	170.1	98.4	140.5
J	557.9	1,029.1	161.6	163.2	167.6	161.5	155.1	204.0	158.7	140.5
J	521.8	1,057.8	149.7	153.7	172.7	168.7	155.3	189.1	258.4	141.2
A	553.9	1,093.4	153.4	161.3	172.4	168.1	153.6	179.2	257.3	141.0
S	601.8	1,124.8	162.3	168.0	174.4	171.7	168.9	174.4	251.8	139.1
O	686.0	1,011.5	163.9	168.4	175.5	174.3	178.2	157.7	236.9	139.8
N	836.0	1,139.4	163.6	167.5	168.3	161.5	183.4	140.8	163.1	147.6
D	1,024.7	1,146.7	151.6	154.2	145.6	143.2	145.5	137.7	132.7	136.7

TABLE 2. Volume Indexes - Continued

	Non-durable manufacturing									
	Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
	Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
1956	135.4	122.0	138.4	122.6	131.4	174.6	145.9	154.0	115.6	119.4
1957	129.6	125.1	143.2	129.7	139.5	169.7	161.0	147.8	115.6	120.7
1958	137.8	130.3	147.7	145.9	135.2	179.0	173.2	137.2	114.4	122.7
1959	142.0	135.0	155.8	155.9	141.9	190.3	179.9	161.1	120.3	131.6
1960	144.1	142.9	160.2	158.7	146.4	194.8	182.0	143.3	111.8	123.7
1961	149.2	146.4	163.6	165.6	147.6	200.1	193.6	145.7	123.8	134.3
Unadjusted for seasonal variation										
1956 D	137.5	129.9	132.9	120.7	114.0	192.8	144.6	150.2	104.4	100.3
1957 J	118.5	116.1	104.3	108.4	95.8	119.9	149.8	153.3	115.4	119.7
F	117.4	118.9	114.1	99.6	114.3	132.2	156.7	174.7	128.1	136.8
M	118.8	112.8	127.8	115.7	138.0	122.0	157.5	165.3	133.3	145.6
A	130.5	112.0	135.2	100.2	155.3	132.7	169.4	148.7	121.9	132.8
M	132.6	119.9	147.3	142.0	153.4	144.2	177.1	156.5	119.5	129.2
J	139.3	123.7	170.4	162.1	176.1	174.2	181.8	164.9	115.9	121.3
J	134.9	113.7	165.0	177.8	165.5	155.9	133.3	118.8	83.7	83.6
A	134.5	120.7	159.8	168.8	152.8	171.2	165.0	108.7	116.7	122.8
S	133.5	130.8	151.4	128.5	137.5	198.0	172.6	150.3	119.1	125.0
O	133.2	153.3	150.7	111.1	127.1	249.3	161.2	149.1	113.4	115.1
N	131.8	151.5	163.8	114.6	139.5	281.0	159.9	158.4	115.6	117.2
D	129.8	128.0	129.0	127.1	118.8	155.9	147.5	124.9	105.0	99.1
1958 J	130.0	117.7	103.1	113.5	90.8	119.4	148.5	114.8	111.4	114.9
F	128.7	116.1	121.5	107.2	125.3	131.0	171.7	132.4	123.2	136.5
M	128.8	110.3	131.0	128.0	133.4	131.3	170.3	124.7	123.6	140.9
A	135.2	122.5	146.6	134.3	151.3	154.4	171.2	127.1	114.6	128.1
M	139.4	131.2	158.1	142.5	160.3	175.9	181.3	134.9	113.7	124.8
J	146.2	133.7	170.2	173.8	171.3	168.9	197.3	155.3	113.7	122.0
J	145.0	117.7	164.6	188.3	164.5	143.5	153.9	122.9	82.7	84.9
A	143.7	122.4	156.4	213.4	126.3	163.6	175.9	112.0	120.3	131.0
S	142.5	132.8	147.3	153.7	95.0	243.9	190.7	157.8	122.4	131.9
O	141.8	162.1	160.0	127.2	130.7	250.7	172.0	149.1	120.3	126.3
N	139.1	159.1	178.9	127.6	151.8	306.2	190.1	170.3	121.7	126.1
D	133.7	138.0	134.8	141.4	122.2	158.9	155.8	145.4	105.1	105.3
1959 J	132.5	128.5	105.4	117.6	82.0	144.9	156.7	146.8	118.2	127.7
F	132.2	129.2	118.4	108.4	104.2	163.7	187.7	183.7	133.6	152.9
M	132.5	114.2	132.0	111.6	141.5	136.8	175.3	165.7	130.2	147.6
A	138.2	130.9	151.1	141.1	148.9	172.5	183.0	169.5	132.8	149.3
M	140.9	135.4	165.4	155.0	160.8	194.5	185.7	171.9	126.6	140.2
J	147.0	135.9	182.1	181.5	186.9	179.9	199.3	181.7	123.5	135.9
J	147.8	122.4	169.1	213.2	160.7	144.3	145.0	137.8	89.8	92.8
A	146.3	128.0	199.8	224.6	174.7	237.7	168.9	124.4	124.1	136.2
S	145.2	136.7	168.8	168.7	138.4	224.5	187.9	171.1	121.6	132.7
O	149.4	163.0	167.8	157.0	130.8	268.7	198.3	164.4	120.0	129.5
N	148.0	160.3	170.8	133.2	152.7	259.6	196.7	174.7	116.9	123.9
D	143.5	135.5	138.9	159.4	121.7	157.1	173.8	141.6	106.3	110.9
1960 J	135.2	132.5	114.5	127.3	96.6	140.9	171.5	158.0	116.4	130.6
F	133.4	135.2	131.2	135.9	116.0	162.5	178.0	170.6	126.1	144.2
M	134.6	134.4	140.0	128.8	145.9	142.7	182.4	158.8	123.8	143.8
A	138.6	132.6	150.8	135.1	156.4	160.1	168.9	143.6	115.6	132.8
M	142.7	139.6	176.3	175.4	173.2	190.6	186.6	135.1	104.1	116.4
J	148.2	143.2	185.4	175.6	182.4	210.9	200.8	154.4	105.5	117.1
J	153.8	129.6	167.9	202.3	173.8	120.9	135.0	121.6	78.6	78.9
A	152.1	131.8	182.5	199.6	153.5	231.0	183.3	109.6	114.1	128.0
S	150.8	148.1	169.9	164.0	132.3	245.9	202.7	148.3	122.5	137.5
O	149.4	167.9	186.0	162.7	144.4	302.2	195.2	142.2	115.2	126.0
N	147.6	176.1	179.8	153.7	152.4	278.1	196.7	152.6	114.9	120.8
D	142.4	143.2	137.5	143.4	129.6	151.3	182.6	125.3	105.0	108.3
1961 J	138.4	137.8	110.6	136.8	87.1	134.3	177.4	124.1	115.0	124.9
F	137.4	142.2	131.6	133.7	117.2	164.8	193.8	134.8	132.2	151.6
M	139.8	137.8	141.5	119.4	145.7	160.2	186.3	136.9	131.9	148.9
A	145.5	141.7	155.9	147.9	156.0	168.6	194.5	143.7	130.9	146.8
M	149.4	148.5	159.7	141.5	162.9	174.0	196.5	142.5	120.1	129.6
J	160.0	149.7	187.0	194.6	180.0	201.1	231.3	161.7	125.6	135.9
J	156.6	122.9	185.1	235.1	177.7	152.4	148.9	132.4	91.3	95.2
A	153.0	133.2	185.9	225.8	161.4	204.0	197.3	117.1	125.6	138.5
S	152.5	146.8	182.8	187.8	145.0	253.0	204.7	164.1	133.0	143.6
O	155.2	172.2	179.5	144.4	147.2	286.1	207.7	167.8	128.7	136.2
N	153.3	172.2	190.7	151.8	156.3	320.3	209.1	167.5	132.0	139.2
D	148.7	151.6	153.3	168.6	135.0	182.0	175.9	155.8	118.9	121.0

TABLE 2. Volume Indexes - Continued

	Non-durable manufacturing									
	Textiles				Clothing			Paper products		Printing, publishing and allied industries
	Total	Cotton goods	Wool goods	Synthetic textiles and silk	Total	Men's women's and children's clothing	Knitting mills	Total	Pulp and paper	
1956	117.3	101.3	93.0	149.2	117.6	114.1	131.2	137.8	137.4	137.3
1957	117.6	100.0	86.9	156.6	116.8	112.6	130.8	135.5	133.6	138.2
1958	109.9	90.2	74.2	151.5	114.4	110.6	126.4	135.6	131.5	134.4
1959	124.4	94.2	84.8	181.1	113.1	109.9	116.6	144.7	141.8	143.2
1960	122.5	89.6	78.5	187.6	107.9	109.4	103.1	148.4	148.2	146.5
1961	134.6	98.8	80.3	219.5	107.1	110.3	101.0	153.4	153.1	148.2
Unadjusted for seasonal variation										
1956 D	123.0	96.9	98.4	167.0	113.1	105.7	134.3	130.4	129.5	141.9
1957 J	117.5	103.0	81.6	152.8	119.2	114.6	137.6	131.8	131.6	134.8
F	137.1	122.7	104.5	187.8	126.2	123.6	142.9	140.2	141.6	145.2
M	127.8	105.4	106.8	171.8	129.0	126.4	146.2	143.3	143.8	143.1
A	122.0	101.9	90.2	167.1	120.2	117.3	133.7	138.0	138.4	141.7
M	117.2	95.3	87.4	160.2	114.2	109.8	130.2	141.4	141.3	141.1
J	119.3	99.9	101.8	153.5	110.8	105.4	126.7	140.4	138.4	144.2
J	90.9	71.9	69.8	103.6	108.8	109.7	103.4	134.2	130.5	136.9
A	115.4	99.9	83.0	155.3	118.4	116.5	125.4	141.2	138.6	132.8
S	120.7	103.2	85.2	167.7	120.0	114.6	136.7	136.3	132.4	138.3
O	115.3	101.6	77.3	152.8	116.0	110.4	130.0	136.5	133.3	134.4
N	124.6	110.7	85.8	170.3	112.5	103.6	134.3	132.6	129.3	132.3
D	103.3	83.9	69.4	136.3	106.1	98.8	122.4	110.2	103.4	133.7
1958 J	98.7	89.1	66.4	120.0	115.1	114.0	122.1	116.7	112.3	122.1
F	109.1	94.9	75.9	147.1	121.6	119.8	136.8	129.8	128.9	134.4
M	104.6	90.3	73.8	137.2	122.0	121.8	132.3	133.5	133.3	137.3
A	106.2	90.6	72.5	142.6	113.5	109.9	125.4	134.9	132.9	131.9
M	106.5	87.2	76.5	143.2	109.0	105.6	119.8	139.0	135.6	138.8
J	111.7	88.2	71.6	164.0	106.4	102.2	115.9	137.8	132.3	132.5
J	84.9	56.4	54.5	113.3	106.6	106.4	102.8	134.5	127.8	128.3
A	111.6	91.4	75.7	157.8	116.1	113.9	123.4	140.2	134.3	131.3
S	119.1	104.9	77.3	164.8	120.6	117.1	133.4	139.6	133.5	134.6
O	122.8	97.8	84.8	177.0	116.0	109.0	133.6	147.8	142.6	135.6
N	128.0	106.3	90.1	180.8	116.3	106.2	142.5	144.8	140.8	149.4
D	115.0	84.9	71.8	170.1	109.3	100.7	128.8	128.5	123.3	137.0
1959 J	116.9	95.1	69.9	168.1	110.6	108.4	112.2	133.3	130.1	128.2
F	132.1	109.6	89.5	193.2	120.1	116.2	130.6	139.2	137.3	136.0
M	127.8	108.1	77.5	186.1	119.6	116.0	129.7	139.3	136.2	143.9
A	132.7	110.6	84.1	194.7	115.2	110.5	127.2	144.6	141.5	144.9
M	126.4	99.2	86.3	180.1	111.8	108.0	119.3	149.8	147.9	145.7
J	128.8	96.9	88.8	188.9	111.1	106.2	118.6	146.9	143.3	142.8
J	97.8	55.3	66.7	138.0	107.4	107.2	98.4	142.9	137.7	136.2
A	126.0	93.2	89.8	185.3	113.2	112.2	110.5	146.3	141.9	138.2
S	128.8	93.8	100.1	185.3	119.4	119.7	113.8	146.2	141.5	148.4
O	130.1	94.0	91.6	192.9	114.7	111.0	115.1	155.2	153.3	153.5
N	129.8	94.1	93.5	191.7	111.3	104.7	119.6	154.1	153.5	153.3
D	116.0	81.0	80.2	168.3	102.9	98.1	103.8	139.0	137.0	147.1
1960 J	125.2	87.5	87.2	192.1	111.0	110.5	108.2	140.5	141.0	143.0
F	130.5	93.8	85.3	206.6	117.1	118.6	113.2	145.5	146.1	149.0
M	135.7	100.7	89.3	215.8	117.3	118.8	113.1	147.3	150.3	145.7
A	124.7	92.9	78.4	191.6	107.3	107.9	101.5	145.1	145.8	143.4
M	123.1	92.5	68.7	193.3	102.1	103.1	96.5	151.9	152.2	148.3
J	126.2	88.9	78.4	203.3	100.0	99.7	95.2	150.9	150.2	151.3
J	90.4	56.7	53.0	126.3	100.1	104.1	81.7	146.0	143.3	138.3
A	114.2	84.4	80.0	164.9	108.4	110.8	98.2	150.2	148.3	136.6
S	123.0	90.6	81.9	186.5	112.8	115.4	106.2	150.6	148.5	147.1
O	127.5	96.4	84.5	192.5	109.1	108.6	108.4	156.3	155.6	152.7
N	127.1	98.8	81.1	190.2	107.8	105.6	111.3	158.5	160.1	156.6
D	122.2	91.6	74.6	187.7	101.8	99.7	104.2	138.2	136.6	146.3
1961 J	124.7	94.2	70.5	199.0	107.6	110.7	101.3	141.6	142.5	142.6
F	133.7	99.2	78.8	220.8	113.8	118.7	105.5	147.7	151.5	144.7
M	134.9	97.3	80.5	225.0	113.7	119.9	100.5	148.3	151.1	151.4
A	130.8	95.8	79.3	211.6	104.4	106.0	96.9	152.1	153.1	148.3
M	132.6	99.2	74.2	217.0	101.0	102.0	93.8	155.5	155.8	149.5
J	142.4	98.1	94.6	239.3	101.4	101.7	95.6	157.5	154.6	143.3
J	108.8	68.0	67.0	169.2	102.4	105.2	89.5	152.2	148.6	138.8
A	128.9	95.2	76.0	207.0	107.1	109.8	97.2	156.3	152.6	141.3
S	144.5	107.6	90.6	236.9	114.0	116.7	107.2	155.9	154.7	153.3
O	144.4	114.8	85.1	229.5	108.9	108.8	106.1	163.1	162.7	157.1
N	146.8	113.4	88.5	236.7	108.0	105.4	113.0	163.4	164.1	156.5
D	142.4	102.6	78.2	242.0	102.4	99.8	105.5	146.8	145.4	151.5

TABLE 2. Volume Indexes - Continued

	Non-durable manufacturing					Durable manufacturing			
	Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
	Total	Petroleum products	Total	Acids alkalies salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods
1956	216.1	228.1	174.8	187.8	147.0	153.3	138.3	143.6	247.3
1957	223.5	236.8	183.4	197.4	153.3	146.7	127.3	128.4	235.7
1958	216.8	232.7	198.0	226.4	166.3	139.9	132.0	135.6	253.1
1959	241.5	259.1	208.4	246.9	183.2	149.5	136.6	140.5	252.3
1960	250.6	269.8	219.7	260.8	191.6	146.4	136.0	141.2	267.1
1961	258.8	279.0	222.1	257.2	213.0	148.4	139.6	146.7	295.4
Unadjusted for seasonal variation									
1956 D	221.8	234.7	168.1	186.1	153.2	151.0	114.9	108.2	211.7
1957 J	219.4	231.5	173.0	186.0	149.2	147.9	111.5	105.4	196.7
F	228.8	241.6	182.5	188.5	149.8	151.6	128.0	130.6	229.8
M	219.2	230.9	182.4	192.6	152.9	155.4	134.3	139.3	241.5
A	200.2	209.9	187.3	201.1	154.4	150.9	116.0	113.4	243.5
M	215.9	227.6	180.9	209.8	153.1	155.1	130.2	134.4	273.3
J	232.5	246.6	183.1	199.5	152.5	156.7	148.9	160.7	245.4
J	245.5	261.7	167.7	190.7	151.4	147.4	137.9	144.0	206.7
A	239.1	254.2	178.6	187.9	153.2	140.9	142.4	149.1	259.3
S	228.5	242.7	194.6	197.2	157.4	139.0	136.4	139.0	242.2
O	221.7	235.9	194.2	203.8	158.5	140.7	124.8	122.4	275.1
N	219.3	232.9	195.8	205.8	156.2	145.3	112.4	105.3	212.6
D	212.4	226.4	180.4	205.5	150.8	129.3	105.2	96.8	201.9
1958 J	223.6	238.7	181.1	207.1	146.7	133.2	115.6	115.3	223.9
F	214.3	228.6	184.3	210.4	147.2	136.5	126.4	132.4	249.2
M	200.6	212.9	188.5	215.6	151.2	138.8	129.6	136.3	253.3
A	179.4	189.6	199.5	230.8	156.9	139.3	114.6	112.9	248.3
M	197.8	210.5	207.6	239.5	160.5	149.1	134.3	139.9	245.0
J	215.2	230.5	208.9	234.8	163.8	152.6	146.6	156.9	249.1
J	235.0	253.0	192.3	229.4	167.0	140.3	139.4	145.7	201.8
A	225.2	244.1	198.4	225.3	171.8	134.6	145.7	153.5	251.9
S	225.0	244.3	205.9	229.7	178.9	138.2	144.7	150.6	272.5
O	220.7	238.6	208.0	232.3	183.7	138.1	140.4	143.7	325.9
N	231.4	249.6	210.7	231.8	185.3	143.7	128.8	127.1	269.0
D	233.6	252.3	190.5	230.5	182.4	134.4	118.3	113.4	247.5
1959 J	235.3	253.8	197.6	232.8	175.8	138.2	128.8	131.3	253.2
F	240.8	259.2	206.0	236.6	175.2	145.9	141.8	150.8	297.1
M	240.2	257.9	202.2	240.0	175.9	147.7	141.0	149.9	282.5
A	210.6	224.1	210.1	248.5	176.4	151.3	129.4	132.5	308.5
M	233.1	248.7	214.2	253.4	178.3	156.8	145.8	154.3	273.4
J	238.2	255.5	207.0	247.1	180.0	165.0	164.7	181.2	306.9
J	244.7	262.8	199.3	240.1	181.7	150.3	130.8	131.5	112.0
A	248.2	266.6	206.4	242.3	185.3	139.6	126.6	124.1	91.5
S	256.6	276.4	219.7	251.7	191.5	150.4	135.8	136.1	216.1
O	247.0	264.8	218.7	257.3	195.7	158.7	141.6	144.6	291.3
N	250.1	267.7	215.5	255.7	195.3	148.0	126.8	123.8	304.1
D	253.2	271.5	203.8	257.7	187.1	142.5	126.1	125.6	291.2
1960 J	261.0	280.6	213.7	257.2	181.0	149.6	133.0	138.8	287.8
F	254.6	273.3	214.2	252.7	181.2	150.7	141.2	151.4	316.7
M	248.1	264.9	217.0	249.9	184.4	152.9	140.7	150.7	317.6
A	229.0	243.9	223.9	259.8	186.6	148.3	124.1	126.2	295.7
M	243.7	261.4	226.1	270.9	185.4	153.6	138.3	146.5	308.6
J	258.9	279.9	230.4	270.4	186.8	156.9	153.8	167.8	293.8
J	257.9	279.0	215.5	268.5	189.1	140.4	141.4	148.3	181.5
A	254.3	274.7	218.9	265.4	192.5	135.2	146.5	153.9	222.9
S	252.2	272.4	230.9	263.5	199.3	142.8	141.6	145.5	243.9
O	244.8	263.6	227.6	261.4	205.4	146.0	133.1	133.5	240.1
N	254.0	274.7	215.5	255.9	207.4	145.0	119.7	116.0	258.2
D	248.3	269.0	203.0	254.1	200.3	135.6	118.2	116.1	238.5
1961 J	249.8	270.6	213.4	253.3	192.6	134.4	123.4	126.0	242.5
F	253.2	273.9	217.7	251.7	194.4	140.6	135.6	145.0	268.1
M	243.7	262.4	212.9	252.7	195.0	142.5	139.0	150.2	294.0
A	249.7	268.3	225.2	259.3	197.3	143.0	125.0	129.1	290.7
M	257.1	276.5	228.1	271.2	201.7	149.6	137.3	145.4	315.8
J	262.3	282.0	234.7	268.8	207.5	159.8	156.8	172.0	327.9
J	232.3	248.2	217.9	257.5	211.3	145.0	150.3	161.4	267.3
A	282.8	305.7	222.3	254.3	217.3	144.2	151.5	161.6	318.5
S	281.3	303.8	229.3	254.1	227.8	155.6	152.3	160.8	330.1
O	253.3	272.6	226.9	253.4	236.5	158.5	141.3	144.4	293.4
N	272.2	293.6	223.6	252.8	241.0	159.2	132.9	132.9	309.2
D	267.9	289.8	212.7	257.5	233.5	148.6	130.2	131.1	286.9

TABLE 2. Volume Indexes -- Continued

	Durable manufacturing									
	Wood products		Iron and steel products					Transportation equipment		
	Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
1956	131.3	140.6	145.3	144.7	155.4	158.3	137.0	157.9	313.1	184.1
1957	114.6	141.0	139.6	146.3	129.4	149.0	126.2	151.2	350.4	162.0
1958	120.1	143.4	128.3	122.6	141.4	121.8	136.8	132.5	331.2	138.6
1959	126.1	146.3	147.2	135.9	157.5	167.7	149.6	131.5	249.4	148.8
1960	132.7	141.3	137.3	135.1	147.8	162.1	143.5	130.0	238.4	159.0
1961	134.1	143.6	139.4	133.4	144.3	174.0	141.0	129.8	269.5	157.3
Unadjusted for seasonal variation										
1956 D	86.7	145.5	140.3	159.5	140.4	145.1	135.2	172.2	329.2	211.0
1957 J	88.6	140.0	141.8	158.5	132.2	158.9	130.0	171.4	340.1	205.8
F	123.0	137.4	147.1	156.9	158.8	159.0	126.2	165.6	348.6	190.6
M	133.1	137.9	149.5	154.8	167.2	158.4	124.6	176.3	351.1	218.4
A	95.1	135.1	144.5	152.3	127.9	158.0	126.7	179.9	342.4	226.9
M	121.1	134.2	147.6	151.3	163.4	155.8	125.9	178.1	351.1	220.7
J	159.4	136.4	148.2	150.5	157.0	156.9	130.8	169.6	356.1	201.4
J	137.5	138.0	139.2	146.0	121.0	149.4	133.2	150.6	354.5	158.7
A	137.6	143.5	134.1	142.3	107.2	139.2	132.6	119.4	350.7	88.8
S	125.0	148.9	136.9	140.9	106.5	140.9	128.8	102.8	355.2	50.1
O	98.2	149.6	136.8	138.0	118.6	147.6	123.7	115.6	353.6	82.5
N	82.9	147.9	132.6	134.1	111.8	145.6	118.7	154.9	351.0	181.9
D	74.1	143.4	117.3	130.5	81.1	118.0	113.7	129.9	350.6	118.3
1958 J	100.7	134.9	122.1	123.6	141.6	126.2	112.8	137.2	342.9	144.1
F	123.0	131.2	125.2	119.5	150.8	128.9	115.3	140.4	333.2	156.3
M	127.0	133.1	127.8	120.4	152.8	132.1	119.3	145.0	331.8	165.5
A	92.6	135.8	129.5	121.6	144.4	136.9	126.6	150.4	340.2	173.7
M	129.2	139.6	134.4	122.0	171.5	130.9	134.7	157.9	338.5	189.9
J	149.8	140.3	139.1	121.9	169.5	143.6	142.4	151.8	331.8	175.2
J	137.0	142.4	126.8	121.2	130.4	126.1	150.1	125.4	333.1	119.1
A	140.9	147.9	125.6	121.9	125.4	98.2	155.0	91.0	331.8	46.7
S	133.6	152.7	129.1	124.1	127.6	95.5	158.5	95.7	329.8	57.1
O	117.3	155.8	126.3	124.6	133.3	95.2	152.7	109.9	324.4	91.3
N	102.0	155.6	131.6	125.4	135.8	124.3	141.8	142.0	318.8	171.5
D	88.2	151.2	122.3	125.4	113.3	123.5	132.5	143.6	317.6	172.4
1959 J	116.2	143.8	129.0	125.2	130.0	144.4	129.9	141.5	320.2	164.6
F	139.4	142.0	134.5	125.9	143.7	147.3	131.4	151.9	259.6	198.6
M	139.9	140.5	138.4	126.6	152.9	150.7	135.4	150.1	234.6	194.1
A	111.1	140.4	144.7	129.2	159.5	168.0	142.5	158.9	241.9	209.9
M	143.1	144.3	148.0	135.1	161.7	161.5	148.3	156.9	243.0	202.0
J	174.3	144.0	155.2	140.6	164.9	171.1	156.6	160.7	245.5	212.4
J	125.4	144.3	146.6	141.3	150.5	160.8	162.9	135.9	244.3	159.3
A	117.7	149.2	148.4	139.7	146.2	159.7	165.6	82.2	241.6	32.2
S	120.7	153.9	156.8	140.4	163.1	179.6	167.4	96.7	239.7	66.0
O	125.4	154.6	162.9	143.4	193.1	194.7	161.7	123.2	241.2	130.6
N	96.2	153.1	157.4	143.6	171.9	193.2	152.3	102.4	242.3	87.9
D	104.2	146.0	144.2	140.3	152.2	180.8	141.2	117.6	238.4	128.0
1960 J	126.5	138.1	144.7	137.8	178.2	180.4	133.6	149.9	238.6	204.9
F	142.4	136.3	142.7	135.5	148.3	183.7	130.9	144.3	233.9	187.4
M	141.7	135.3	143.9	135.9	156.0	186.5	132.6	152.8	232.6	207.8
A	109.8	135.3	139.6	137.7	140.8	168.8	136.8	154.5	236.1	209.3
M	136.9	135.3	141.2	137.9	142.1	164.9	143.6	156.1	236.5	214.7
J	167.3	137.0	142.2	137.8	136.4	161.5	150.9	147.7	234.6	198.1
J	151.7	139.9	127.0	137.8	97.4	140.2	152.9	112.3	226.6	119.8
A	154.2	146.0	131.0	135.2	103.5	143.8	153.8	70.8	225.7	22.7
S	139.5	150.7	136.0	132.5	142.5	161.0	155.8	96.6	236.7	84.0
O	123.3	151.2	136.8	132.7	149.9	166.4	151.3	117.3	245.6	133.2
N	96.8	148.0	137.5	131.7	193.2	159.4	144.3	129.6	253.5	164.7
D	102.1	142.1	125.4	128.8	184.8	128.5	135.4	127.9	260.9	160.8
1961 J	118.0	136.4	125.3	125.7	172.8	141.1	128.6	126.7	266.6	156.9
F	141.9	132.8	129.8	125.4	171.3	152.7	127.7	134.2	271.5	173.0
M	145.6	131.5	135.1	127.9	179.7	162.8	129.2	132.4	272.2	166.7
A	114.7	132.7	135.5	130.1	147.3	169.4	134.4	139.7	268.5	186.8
M	132.4	136.5	140.0	131.6	128.5	189.3	139.7	139.5	266.8	187.3
J	164.7	141.1	149.0	133.5	164.3	194.2	147.6	146.6	267.3	198.1
J	153.7	144.1	136.7	135.4	117.6	176.5	152.2	111.9	262.4	111.4
A	146.7	150.2	147.8	136.7	166.4	186.7	152.4	80.7	258.7	31.7
S	143.9	156.2	152.6	138.5	170.8	191.4	153.1	111.4	263.1	108.0
O	126.4	156.7	147.7	139.8	147.9	188.9	148.8	135.2	272.2	166.7
N	109.7	155.1	143.2	138.8	124.4	179.9	142.5	153.1	280.5	210.2
D	111.8	150.3	130.4	137.6	111.5	155.3	136.5	145.9	286.9	191.3

TABLE 2. Volume Indexes — Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
1956	135.1	89.7	151.7	133.0	119.4	145.9	191.3	157.0	460.3	160.4
1957	121.5	92.3	161.7	127.6	105.5	141.8	183.6	163.4	377.8	152.6
1958	113.5	71.9	144.5	126.7	111.8	138.9	176.2	148.4	413.1	152.8
1959	132.9	61.5	144.8	134.7	119.3	145.7	184.8	142.5	420.7	181.3
1960	121.1	51.2	143.2	148.3	115.2	168.7	180.2	135.3	398.6	176.6
1961	121.3	42.9	145.2	147.6	122.2	165.6	182.6	132.0	428.9	171.3
Unadjusted for seasonal variation										
1956 D	141.2	93.9	155.1	139.9	118.0	156.5	202.0	177.7	490.1	151.2
1957 J	141.4	95.6	155.9	136.6	113.9	153.1	186.4	176.4	346.7	149.1
F	136.2	95.4	161.4	135.3	109.9	151.5	189.2	174.7	363.2	163.0
M	130.4	95.4	167.8	132.4	106.5	148.8	187.1	172.9	336.4	181.7
A	131.7	96.6	171.8	130.8	102.9	148.2	178.4	168.2	295.6	169.6
M	132.6	96.4	170.0	128.4	103.5	144.4	176.8	164.1	307.4	164.0
J	128.1	95.5	167.0	117.0	104.2	126.5	182.9	160.4	363.2	172.2
J	119.3	94.5	165.1	118.1	104.4	128.0	171.3	157.2	290.7	149.0
A	106.7	90.4	162.9	120.6	105.5	130.9	174.7	156.8	353.1	124.6
S	100.9	87.7	160.5	118.4	106.5	126.3	193.8	159.5	495.1	143.1
O	105.4	88.0	153.9	130.7	105.2	145.8	191.0	158.6	484.9	139.3
N	111.8	86.9	151.7	133.6	102.8	151.4	192.0	155.5	497.7	143.9
D	113.3	85.1	152.0	129.6	100.6	146.9	179.6	156.0	399.2	131.9
1958 J	107.7	82.9	145.8	134.5	97.8	156.9	170.1	151.6	348.1	127.7
F	104.4	81.2	146.9	134.7	97.2	157.5	169.1	146.0	360.7	137.6
M	107.2	79.9	155.6	131.8	99.5	152.4	168.7	144.8	351.1	150.2
A	111.9	78.5	164.9	133.5	102.8	153.7	166.9	144.0	345.9	151.4
M	120.0	76.7	167.9	135.6	108.2	155.6	169.0	145.4	353.1	163.0
J	123.7	75.9	166.1	135.3	114.2	152.6	174.9	148.1	410.8	170.6
J	105.2	73.7	158.3	128.0	117.3	139.8	168.6	153.4	362.3	152.3
A	94.5	67.6	131.8	125.1	119.4	134.2	178.2	155.8	471.2	121.0
S	111.0	63.1	120.4	128.0	121.2	136.6	189.7	154.4	512.3	159.4
O	118.3	63.1	121.0	111.7	122.1	109.5	191.0	151.6	527.8	161.6
N	124.1	61.2	126.6	110.9	121.6	107.5	193.8	146.1	539.4	175.8
D	134.5	58.5	128.6	111.5	120.2	110.1	174.3	139.6	375.0	162.5
1959 J	137.4	58.8	129.8	121.9	118.7	128.2	175.0	136.3	407.0	169.0
F	140.0	60.2	138.2	125.2	118.3	133.3	178.6	137.2	428.1	185.9
M	142.9	60.9	148.8	133.3	118.0	146.0	173.1	138.7	374.0	181.7
A	146.2	62.2	159.0	136.5	118.6	150.3	174.6	139.7	378.1	179.2
M	148.0	64.1	160.4	135.4	119.4	147.8	178.9	142.2	379.9	186.8
J	148.2	64.9	153.0	137.5	119.7	149.4	183.2	144.7	387.3	191.9
J	128.7	65.0	148.8	132.3	118.9	141.6	176.0	144.4	349.1	169.2
A	112.3	62.5	147.5	130.8	120.4	138.6	186.5	143.5	455.7	160.6
S	124.5	61.1	145.3	140.0	123.8	150.6	201.6	146.8	490.4	203.8
O	133.2	61.7	140.5	141.5	122.4	152.7	202.9	147.9	508.1	185.1
N	113.7	60.2	135.5	140.8	118.0	153.7	199.9	145.6	482.7	187.4
D	120.2	56.2	131.2	140.7	115.2	156.1	187.4	142.6	408.4	175.5
1960 J	133.6	53.8	134.8	139.1	114.4	155.4	186.5	138.8	406.6	188.7
F	138.0	52.1	144.6	147.3	116.0	168.1	189.4	136.5	432.6	209.5
M	134.8	52.0	155.9	149.8	117.0	171.4	186.3	136.9	403.0	210.1
A	133.6	53.4	161.6	148.2	116.8	169.0	179.9	137.2	358.9	201.8
M	133.3	54.0	156.8	145.9	115.5	165.2	179.2	137.2	375.5	186.5
J	127.4	54.5	150.2	150.5	114.8	172.3	180.3	138.0	382.9	180.8
J	107.1	53.8	147.1	146.5	116.0	166.1	168.9	138.4	304.6	162.3
A	95.5	51.1	140.8	150.2	116.9	170.9	174.1	137.2	381.7	142.6
S	107.3	49.2	135.9	151.3	115.2	172.5	187.0	136.3	469.6	161.7
O	114.8	48.5	133.1	151.0	113.8	171.3	185.5	133.4	466.1	166.0
N	113.8	47.1	130.2	151.2	113.7	171.7	178.4	128.8	439.2	159.6
D	114.0	44.8	127.2	148.7	111.7	169.9	166.5	124.8	363.0	149.8
1961 J	115.0	43.7	125.3	145.3	111.5	165.7	163.9	122.2	359.6	152.5
F	116.4	43.0	133.8	146.9	114.1	168.0	170.2	121.4	426.4	156.3
M	117.8	42.2	138.4	146.2	115.0	166.8	166.7	122.3	361.7	174.6
A	119.5	41.9	132.1	147.3	115.9	167.2	165.2	124.6	321.3	181.9
M	122.5	41.4	124.5	149.5	118.3	171.1	166.6	127.5	339.4	166.8
J	123.3	41.9	154.2	146.9	121.8	165.5	179.8	131.7	392.2	189.5
J	119.7	44.0	153.4	137.3	124.4	149.9	172.7	134.3	356.5	155.9
A	120.2	45.0	152.5	140.6	127.0	153.5	182.4	135.7	428.4	152.8
S	121.8	44.0	157.6	146.9	131.2	160.6	204.0	138.5	532.0	189.6
O	123.9	43.1	158.4	152.8	132.1	168.9	206.7	142.3	549.4	174.9
N	127.3	42.4	157.4	158.2	129.2	177.9	210.1	142.1	551.7	189.7
D	127.7	41.6	154.7	153.0	126.2	171.9	203.4	141.7	528.0	171.0

TABLE 2. Volume Indexes -- Concluded

	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products						
	Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas
1956	191.5	376.5	183.3	160.0	204.9	208.9	169.0
1957	191.3	356.9	221.1	145.5	220.3	223.6	190.9
1958	205.9	474.2	223.3	161.3	239.1	240.0	230.4
1959	223.2	534.2	221.8	170.2	268.7	263.3	316.6
1960	210.9	511.9	203.8	152.8	298.0	287.4	392.7
1961	220.2	574.1	214.6	146.2	317.7	298.5	490.6
Unadjusted for seasonal variation							
1956 D	162.1	216.8	155.3	125.6	227.8	227.4	230.9
1957 J	151.1	154.1	162.2	102.6	234.8	231.5	264.8
F	155.9	198.5	163.8	94.5	237.2	230.3	299.4
M	161.1	236.4	172.3	116.8	226.2	224.6	240.2
A	170.7	278.6	178.5	134.4	221.1	220.4	227.4
M	197.2	411.3	218.8	143.0	211.1	215.8	168.8
J	210.9	438.9	250.4	178.4	201.3	208.6	135.7
J	220.1	455.6	299.3	168.5	200.1	210.4	107.7
A	223.8	483.9	288.4	178.4	197.2	207.8	101.7
S	221.3	466.1	277.9	175.2	205.7	215.8	115.1
O	217.2	461.1	266.6	170.7	223.4	230.9	156.2
N	204.6	421.9	236.4	161.6	241.1	243.4	220.2
D	161.4	276.0	138.8	121.5	244.8	243.8	253.7
1958 J	153.9	245.0	136.3	113.2	255.3	249.4	308.2
F	153.8	215.9	154.1	107.2	261.3	250.7	356.7
M	159.5	271.6	150.8	129.2	247.5	241.4	302.6
A	180.5	371.5	199.3	142.1	238.0	234.2	272.1
M	226.1	612.9	253.1	168.6	227.0	232.0	182.2
J	235.5	631.6	295.9	182.2	219.4	226.6	154.9
J	234.4	640.4	266.4	180.5	212.3	222.0	125.4
A	236.8	622.6	276.6	185.5	211.1	221.8	115.6
S	237.2	607.9	263.7	189.0	221.5	230.6	140.1
O	244.3	621.1	284.5	187.4	238.4	245.4	175.9
N	226.9	526.4	240.5	197.2	258.9	259.1	256.8
D	182.4	323.4	158.4	154.0	278.0	267.2	374.6
1959 J	166.4	258.6	122.8	131.1	284.9	265.5	458.8
F	178.7	312.0	123.3	146.8	290.1	268.9	480.1
M	189.4	409.9	143.5	143.5	273.6	260.0	395.7
A	205.3	450.7	196.9	153.0	269.1	261.4	338.0
M	234.2	584.0	254.9	178.8	253.7	253.4	256.2
J	252.8	670.2	292.3	185.7	247.1	251.7	206.2
J	258.7	706.9	310.0	185.2	232.8	239.7	170.8
A	255.4	674.5	294.4	194.7	235.3	242.6	170.1
S	265.5	732.3	304.0	185.8	254.1	259.0	209.8
O	257.7	705.6	261.0	190.7	273.8	274.6	267.1
N	231.1	548.7	217.7	191.3	301.4	291.4	391.5
D	183.7	357.0	141.3	155.4	308.4	292.1	454.8
1960 J	172.0	299.7	101.4	142.7	320.2	296.6	531.5
F	176.1	310.7	124.3	149.4	327.4	300.1	571.8
M	177.9	364.3	131.9	144.1	320.6	295.9	542.6
A	179.5	363.8	150.7	158.2	300.1	283.2	451.5
M	218.5	558.7	221.4	175.6	284.2	279.1	330.1
J	241.1	655.4	270.4	171.2	277.6	279.1	263.7
J	236.3	656.3	262.6	164.3	257.9	263.3	209.1
A	241.4	660.5	281.1	149.7	267.4	271.2	233.2
S	238.3	660.6	261.7	147.6	281.4	284.4	254.3
O	242.0	649.7	275.7	154.0	289.3	286.9	311.2
N	229.6	599.5	222.6	144.3	317.0	302.6	445.9
D	178.1	364.0	141.5	132.4	332.6	306.4	567.3
1961 J	161.3	289.3	118.8	97.1	343.9	308.2	664.0
F	165.0	380.5	102.5	102.7	348.9	308.0	715.6
M	172.7	414.8	125.1	106.2	329.5	299.1	602.5
A	191.4	471.3	182.6	129.5	320.6	293.1	568.2
M	234.0	666.7	263.7	150.3	309.8	292.6	463.8
J	257.7	743.0	307.2	171.8	295.5	287.7	365.9
J	249.5	690.5	278.8	170.0	273.8	272.7	283.7
A	257.3	741.9	285.9	165.9	281.9	280.6	293.6
S	257.5	735.3	286.1	175.9	298.4	294.3	334.9
O	262.2	729.7	274.1	172.1	315.1	304.4	411.5
N	241.5	618.9	217.0	158.8	339.3	318.0	530.6
D	192.4	407.1	133.7	142.6	356.1	323.0	653.3

CATALOGUE No.

61-005

Monthly

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

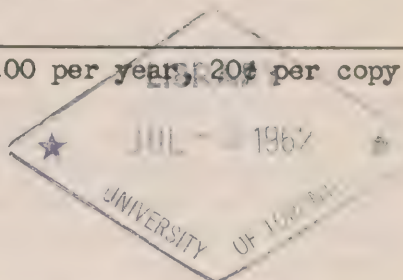
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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)



Canada's index of industrial production eased slightly higher in April.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

205-502-42

The seasonally adjusted index of industrial production was virtually unchanged during April, easing marginally higher to 184.5. A 1% increase in mining was partially offset by a decline in the output of electric power and gas utilities. Manufacturing showed no change during the month, the result of a 1% decline in non-durables and a 1% gain in durables.

Within durables, all major groups showed gains with the exception of non-ferrous metal products, which was off by 2%, due to a decline in smelting and refining activity. Wood products, transportation equipment, and iron and steel products each gained 1% during April, the latter led by increases in both iron castings and primary iron and steel. The transportation equipment gain was due to higher output in the motor vehicle and related industries. Gains of 2% and 4% respectively occurred in the output of electrical apparatus and supplies and non-metallic mineral products.

The non-durables output decline was the result of mixed movements among major groups. Textiles production was off by 1% while 2% drops were recorded in foods and beverages, leather and paper products and chemicals and allied industries. Tobacco products were down during April as well. Partially offsetting gains occurred in clothing (+1%), printing and publishing (+1%), miscellaneous manufactures (+2%), petroleum products (+3%), and rubber products (+4%).

The total mining gain was due primarily to a substantial advance in iron ore mining, although this was to some extent offset by large declines in both nickel and coal output. The latter decline together with a substantial gain in natural gas output brought the total fuels index down by 1%. The iron ore gain, along with lesser increases in gold, zinc, and lead pushed the total metals index higher by more than 3%. Non-metal mining was higher by about 1%.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949 Propor- tions	MCD	1961		1962			
			NOV.	DEC.	JAN.	FEB.	MAR.	APR.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	180.1	180.5	179.8	182.5	184.3	184.5
MINING, TOTAL	10.07	2	287.1	273.3	279.3	281.7	287.4	289.9
Metals	5.97	2	196.7	189.2	198.6	194.3	196.0	202.2
Gold	1.93	5	102.6	107.9	101.7	100.4	102.8	106.3
Copper	1.10	4	179.5	171.8	159.9	166.5	171.5	167.3
Iron ore	0.31	4	441.0	537.9	625.8	543.5	587.5	730.7
Nickel	1.05	4	215.3	188.4	196.2	183.0	201.3	181.0
Non-metals	0.85	5	204.6	226.8	224.9	230.1	223.3	226.1
Asbestos	0.59	4	207.7	231.2	239.9	249.7	238.2	237.6
Fuels	2.84	3	493.8	453.7	458.2	469.2	487.6	482.9
Coal	1.72	6	48.9	49.0	48.5	46.7	58.6	40.1
Natural gas	0.11	2	717.0	776.3	853.4	932.4	894.9	1030.1
Petroleum	1.02	3	1221.2	1102.6	1107.8	1133.0	1168.4	1171.9
MANUFACTURING, TOTAL	84.83	2	158.9	160.8	158.5	161.4	163.0	163.0
NON-DURABLE MANUFACTURES	45.74	2	160.8	163.5	162.4	164.1	165.9	164.5
Foods and beverages	11.83	4	155.8	159.4	160.7	161.7	166.7	163.1
Foods	8.99	4	152.1	154.5	157.5	158.4	161.5	159.0
Meat products	1.62	4	162.3	155.3	154.9	167.2	168.5	163.3
Dairy products	1.40	3	162.6	166.7	158.8	158.5	161.3	166.4
Canning and processing	1.40	4	147.8	154.2	183.4	178.5	176.7	174.3
Grain mill products	1.00	4	138.8	143.4	140.9	138.4	140.5	129.1
Bakery products	1.73	3	150.1	151.2	146.5	146.8	150.7	156.6
Miscellaneous foods	1.83	4	147.5	153.7	158.3	156.9	165.7	156.6
Beverages	2.85	6	167.7	175.0	171.0	172.4	183.0	175.7
Carbonated beverages	0.72	5	174.3	175.3	180.1	197.3	189.3	172.2
Breweries	1.44	6	148.0	156.4	134.3	150.1	149.2	161.9
Distilleries	0.63	6	207.2	220.9	247.3	199.3	258.1	215.7
Tobacco and tobacco products	0.77	6	197.1	193.3	212.4	200.3	209.4	195.4
Rubber products	1.33	3	150.2	170.3	154.5	151.4	156.0	161.7
Leather products	1.58	2	129.4	130.6	130.7	126.8	128.3	125.7
Boots and shoes	0.95	3	142.0	141.7	140.5	136.6	138.1	135.1

TABLE I (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	MCD	1961		1962			
	Proportions		NOV.	DEC.	JAN.	FEB.	MAR.	APR.
Textiles	5.04	3	140.1	147.6	141.0	143.5	140.2	139.1
Cotton goods	1.57	4	106.5	109.7	104.3	108.7	108.4	109.2
Wool goods	0.93	3	78.7	80.6	79.4	77.5	72.8	90.0
Synthetic Textiles & silk	1.33	3	229.8	252.1	233.9	240.0	231.9	213.4
Clothing	5.59	3	111.5	113.7	110.7	108.7	109.7	111.0
Men's, women's and children's clothing	3.45	3	116.0	116.8	116.3	113.9	114.4	114.9
Knitting mills	1.22	2	101.9	108.8	99.2	97.8	96.9	99.3
Paper products	8.22	3	156.3	157.3	154.8	157.9	161.4	158.8
Pulp and paper	6.54	3	156.3	157.5	154.7	158.3	158.7	156.9
Printing publishing and allied industries	3.95	4	151.7	151.6	149.9	153.8	152.5	154.5
Products of petroleum and coal	1.59	3	266.8	265.3	262.2	272.8	259.4	267.4
Petroleum products	1.41	3	287.6	285.8	283.1	295.0	279.9	289.0
Chemicals & allied products	4.22	2	223.7	223.9	228.8	234.3	238.0	233.2
Acids, alkalies, salts and fertilizers	1.07	2	253.6	258.0	261.2	264.4	263.8	264.6
Miscellaneous manufactures	1.62	1	229.3	230.5	232.0	232.3	234.3	238.3
DURABLE MANUFACTURES	39.09	2	156.7	157.6	153.9	158.4	159.7	161.3
Wood products	6.54	2	148.6	152.4	146.0	148.6	150.6	151.5
Saw and planing mills	4.48	3	158.4	163.7	153.4	157.4	159.5	160.1
Veneers and plywoods	0.38	3	316.2	315.6	319.1	316.4	310.5	315.2
Sawmills	3.08	4	147.4	154.0	138.8	146.1	149.5	149.0
Furniture	1.43	1	146.6	148.2	150.3	149.6	151.9	153.3
Iron and steel products	12.49	2	140.4	141.2	137.4	145.1	144.9	146.1
Machinery	2.64	1	136.3	137.6	139.5	142.3	142.5	143.5
Iron castings	1.20	3	126.7	120.0	84.4	117.0	130.0	139.5
Primary iron and steel	2.62	3	177.1	177.5	168.3	182.4	174.0	181.2
Sheet metal products	1.11	1	140.3	142.9	150.6	153.4	153.8	153.1
Transportation equipment	8.23	4	145.1	141.4	137.1	142.6	143.2	144.5
Aircraft and parts	0.63	1	279.7	283.8	283.5	279.5	273.5	272.0
Motor vehicles	3.21	4	186.0	177.1	165.2	179.1	179.3	184.0
Motor vehicle parts	1.43	1	129.9	124.0	126.0	128.4	131.2	134.0
Railway rolling stock	1.93	1	42.4	42.8	43.1	42.1	42.9	41.0
Shipbuilding and repairs	0.81	1	165.7	170.0	170.6	172.5	175.2	171.0

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1961		1962			
			NOV.	DEC.	JAN.	FEB.	MAR.	APR.
Non-ferrous metal products	4.97	3	155.9	152.5	154.5	150.6	150.1	147.7
Brass and copper products	0.75	1	128.9	126.2	128.0	125.2	127.2	130.1
Smelting and refining	3.19	3	176.5	171.4	173.9	167.8	166.3	161.5
Electrical apparatus and supplies	4.40	2	197.8	207.1	206.4	210.4	215.5	219.2
Heavy electrical machinery	1.52	1	139.5	142.6	144.3	143.7	146.2	147.4
Telecommunication equipment	0.44	2	472.3	557.6	544.1	563.4	604.1	622.5
Refrigerators and appliances	0.71	3	188.6	184.5	183.4	180.9	179.5	182.7
Non-metallic mineral products	2.46	2	227.6	230.7	218.7	227.2	233.6	242.5
Concrete products	0.30	4	573.1	600.4	499.4	529.8	585.7	654.9
Hydraulic cement	0.36	4	210.3	205.7	223.0	253.0	247.7	231.7
Domestic clay products	0.24	3	143.7	156.7				
ELECTRIC POWER AND GAS UTILITIES	5.11	2	321.8	325.5	336.0	335.9	335.2	333.9
Electric power	4.60	2	302.3	304.4	314.7	314.8	313.7	313.4
Gas	0.51	3	496.4	514.4	527.2	525.3	528.5	518.2

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	FEB.	MAR.	APR.	FEB.	MAR.	APR.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	166.5	164.6	166.4	182.6	182.9	180.9
MINING, TOTAL	253.3	266.9	255.1	235.4	243.8	279.9	277.7	269.3
Metals	197.9	191.7	186.9	173.1	174.5	179.7	180.2	186.0
Gold	111.2	107.1	113.2	110.2	112.9	102.5	102.2	107.0
Copper	168.7	170.4	162.3	158.1	161.1	165.8	170.1	161.9
Iron ore	406.3	504.7	279.3	251.5	289.0	282.6	305.4	438.4
Nickel	166.9	183.8	173.5	159.2	159.8	185.7	198.7	182.8
Non-metals	192.6	211.7	200.0	205.8	203.8	212.4	224.8	224.2
Asbestos	201.4	223.4	223.9	228.2	216.9	236.0	248.9	238.1
Fuels	380.2	430.7	426.4	380.5	401.0	523.0	507.2	458.4
Coal	53.3	49.9	54.5	41.2	45.8	52.3	51.7	36.9
Natural gas	589.2	712.0	816.0	780.3	698.2	1189.7	1079.3	988.9
Petroleum	909.9	1043.7	1012.7	910.7	968.9	1246.3	1215.1	1113.3
MANUFACTURING, TOTAL	149.3	153.0	145.0	146.3	147.9	159.0	160.7	160.7
NON-DURABLE MANUFACTURES	151.8	157.0	148.8	149.5	152.2	159.9	161.0	160.3
Foods and beverages	150.2	154.2	129.9	132.6	140.9	137.1	142.0	148.5
Foods	147.1	151.2	129.4	129.8	136.1	135.7	137.2	142.2
Meat products	156.5	158.1	146.1	145.9	164.1	160.7	165.1	168.7
Dairy products	152.8	158.3	130.1	146.3	149.2	133.0	143.6	159.1
Canning and processing	149.5	153.8	76.9	68.1	70.0	84.5	75.5	80.3
Grain mill products	132.5	138.3	134.4	135.2	138.9	135.3	139.4	128.8
Bakery products	144.1	149.2	137.4	139.8	145.5	138.5	141.0	152.8
Miscellaneous foods	142.9	146.4	142.2	137.8	141.7	152.5	149.9	150.6
Beverages	160.2	163.6	131.6	141.5	155.9	141.5	157.2	168.3
Carbonated	158.7	165.6	133.7	119.4	147.9	157.8	144.8	151.2
Breweries	146.4	147.6	117.2	145.7	156.0	123.1	150.1	173.6
Distilleries	194.8	200.1	164.8	160.2	168.6	169.4	193.6	182.7
Tobacco and tobacco products	182.0	193.6	193.8	186.3	194.5	204.1	207.7	198.7
Rubber products	143.3	145.7	134.8	136.9	143.7	167.3	160.2	162.7
Leather products	111.8	123.8	132.2	131.9	130.9	140.6	140.5	133.8
Boots and shoes	123.7	134.3	151.6	148.9	146.8	158.6	158.5	148.7

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT								
	Annual Average		1961			1962			
	1960	1961	FEB.	MAR.	APR.	FEB.	MAR.	APR.	
Textiles	122.5	134.6	133.7	134.9	130.8	153.3	150.1	141.8	
Cotton goods	89.6	98.8	99.2	97.3	95.8	118.1	118.6	114.0	
Wool goods	78.5	80.3	78.8	80.5	79.3	81.8	76.7	89.6	
Synthetic textiles and silk	187.6	219.5	220.8	225.0	211.6	264.7	255.1	218.9	
Clothing	107.9	107.1	113.8	113.7	104.4	116.2	117.7	109.3	
Men's, women's and children's clothing	109.4	110.3	118.7	119.9	106.0	123.9	125.7	113.2	
Knitting mills	103.1	101.0	105.5	100.5	96.9	104.4	101.2	97.3	
Paper products	148.4	153.4	147.7	148.3	152.1	155.4	158.3	157.9	
Pulp and paper	148.2	153.1	151.5	151.1	153.1	158.3	159.7	157.4	
Printing publishing and allied industries	146.5	148.2	144.7	151.4	148.3	153.7	157.3	154.9	
Products of petroleum and coal	250.6	258.8	253.2	243.7	249.7	277.1	254.1	240.8	
Petroleum products	269.8	279.0	273.9	262.4	268.3	300.0	273.2	258.4	
Chemicals and allied products	219.7	222.1	217.7	212.9	225.2	231.4	231.9	237.1	
Acids, alkalies, salts and fertilizers	260.8	257.2	251.7	252.7	259.3	260.2	257.7	265.7	
Miscellaneous manufactures	191.6	213.0	194.4	195.0	197.3	224.9	227.5	231.9	
DURABLE MANUFACTURES	146.4	148.4	140.6	142.5	143.0	157.9	160.4	161.2	
Wood products	136.0	139.6	135.6	139.0	125.0	151.9	153.9	138.6	
Saw and planing mills	141.2	146.7	145.0	150.2	129.1	165.2	168.0	144.6	
Veneers and plywoods	267.1	295.4	268.1	294.0	290.7	343.0	332.2	336.9	
Sawmills	132.7	134.1	141.9	145.6	114.7	158.2	163.1	127.4	
Furniture	141.3	143.6	132.8	131.5	132.7	143.2	143.1	144.9	
Iron and steel products	137.3	139.4	129.8	135.1	135.5	141.6	144.1	146.5	
Machinery	135.1	133.4	125.4	127.9	130.1	137.2	140.1	143.2	
Iron castings	147.8	144.3	171.3	179.7	147.3	128.0	144.3	142.7	
Primary iron and steel	162.1	174.0	152.7	162.8	169.4	184.0	178.2	188.0	
Sheet metal products	143.5	141.0	127.7	129.2	134.4	136.5	140.3	145.7	
Transportation equipment	130.0	129.8	134.2	132.4	139.7	156.3	161.2	170.0	
Aircraft and parts	238.4	269.5	271.5	272.2	268.5	284.0	280.3	277.0	
Motor vehicles	159.0	157.3	173.0	166.7	186.8	213.1	220.6	239.5	
Motor vehicle parts	121.1	121.3	116.4	117.8	119.5	132.9	137.8	142.1	
Railway rolling stock	51.2	42.9	43.0	42.2	41.9	40.9	41.2	41.5	
Shipbuilding and repairs	143.2	145.2	133.8	138.4	132.1	167.5	180.5	188.1	

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT									
Industry or Industry Group	Annual Average		1961			1962			
	1960	1961	FEB.	MAR.	APR.	FEB.	MAR.	APR.	
Non-ferrous metal products	148.3	147.6	146.9	146.2	147.3	150.8	150.1	148.5	
Brass and copper products	115.2	122.2	114.1	115.0	115.9	124.3	126.7	129.4	
Smelting and refining	168.7	165.6	168.0	166.8	167.2	170.1	167.8	164.2	
Electrical apparatus and supplies	180.2	182.6	170.2	166.7	165.2	209.8	209.4	207.0	
Heavy electrical machinery	135.3	132.0	121.4	122.3	124.6	139.2	140.5	143.6	
Telecommunication equipment	398.6	428.9	426.4	361.7	321.3	580.3	568.5	523.5	
Refrigerators and appliances	176.6	171.3	156.3	174.6	181.9	191.8	193.9	195.5	
Non-metallic mineral products	210.9	220.2	165.0	172.7	191.4	183.2	190.8	210.6	
Concrete products	511.9	574.1	380.5	414.8	471.3	329.0	427.0	523.9	
Hydraulic cement	203.8	214.6	102.5	125.1	182.6	136.6	153.6	187.2	
Domestic clay products	152.8	146.2	102.7	106.2	129.5				
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	348.9	329.5	320.6	383.1	363.7	342.5	
Electric power	287.4	298.5	308.0	299.1	293.1	333.1	322.5	311.5	
Gas	392.7	490.6	715.6	602.5	568.2	832.1	733.6	620.8	

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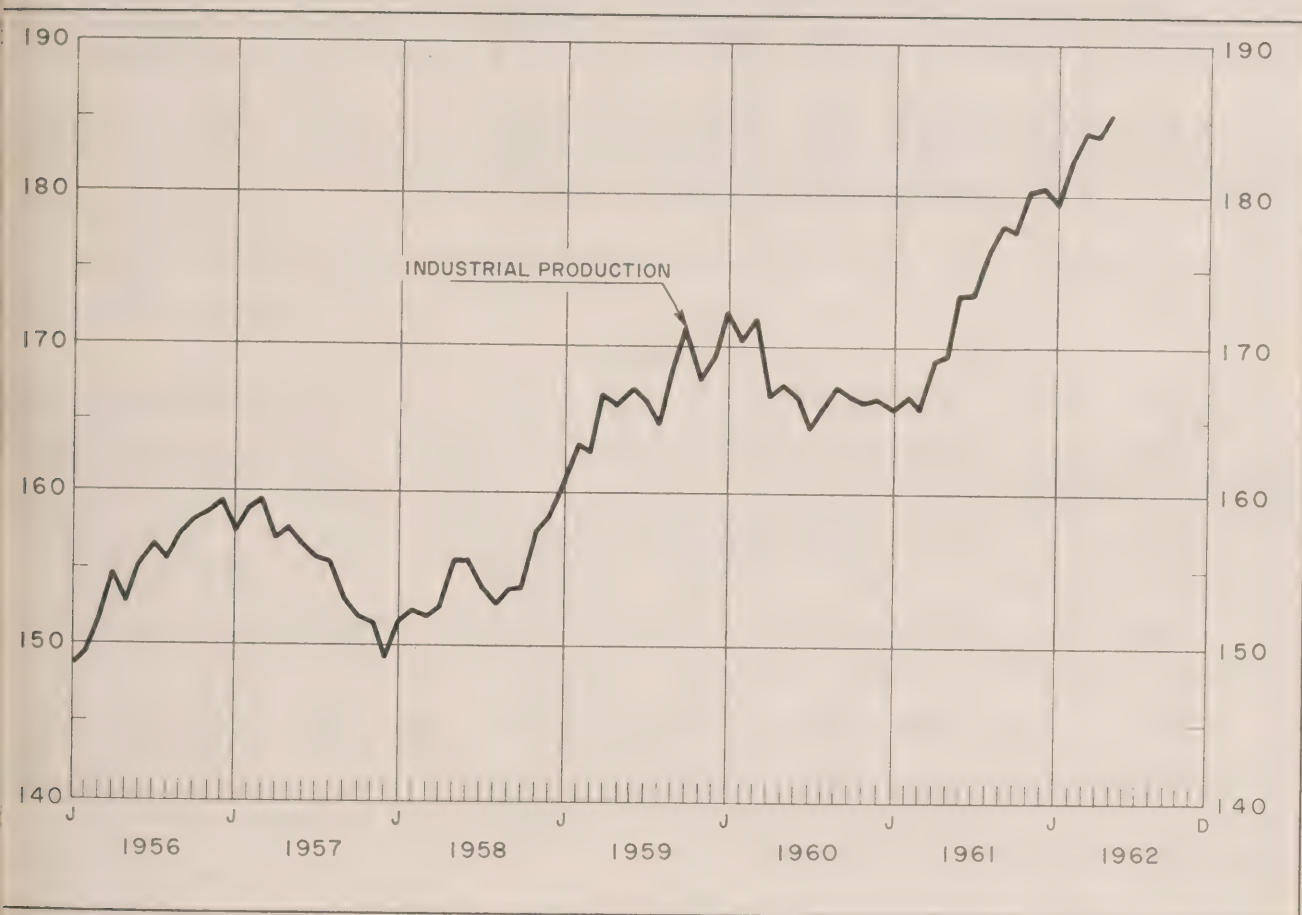
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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)

Canada's index of industrial production gained almost 1% in May.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

05-502-52

The seasonally adjusted index of industrial production was up almost 1% in May to 185.5, from the revised April figure of 184.0. More than 60% of the strength in this month's index was concentrated in manufacturing, in turn for the most part due to a more than 1% gain in durables output. However, non-durables was also slightly higher. Mining and electric power and gas utilities were up 0.7 and 2.3% respectively.

Within non-durables, total textiles, reflecting higher synthetics output, was up by more than 5%. Tobacco and rubber products were also higher. Elsewhere, with the exception of petroleum products (-2%), changes in the other major groups were in the order of 1%.

The durables gain was mainly due to increases in iron and steel (+2%) and transportation equipment (+4%). The former was due to continuing high iron castings industry output and a 9% further increase in the primary iron and steel industry. Motor vehicles output was up by 10% in May. Higher smelting and refining activity pushed the non-ferrous metal products group higher by almost 5%. Non-metallic mineral products were slightly higher during the month. Declines were recorded in wood products (-3%), due to lower sawmills output, and in electrical apparatus and supplies, which reflected a drop in the output of telecommunication equipment.

The mining gain was due solely to a 2% increase in metals output, with fuels virtually unchanged and non-metals down by almost 2%. With the exception of gold, output of all other major metals was higher during the month.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.
4. Errata - Please note that in March 1962 supplement to this report, on Table 1 Page 15, the seasonally adjusted figure for March 1961 Telecommunication equipment should read 397.5 and for March 1961 Refrigerators and Appliances should read 161.2.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	MCD	SEASONALLY ADJUSTED					
			1961		1962			
			Dec.	Jan.	Feb.	Mar.	Apr.	May
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	180.5	179.8	182.5	184.3	184.0	185.5
MINING, TOTAL	10.07	2	273.3	279.3	281.7	287.4	287.3	289.4
Metals	5.97	2	189.2	198.6	194.3	196.0	202.2	206.4
Gold	1.93	5	107.9	101.7	100.4	102.8	106.3	98.7
Copper	1.10	4	171.8	159.9	166.5	171.5	167.3	173.6
Iron ore	0.31	4	537.9	625.8	543.5	587.5	730.7	749.1
Nickel	1.05	4	188.4	196.2	183.0	201.3	181.0	187.5
Non-metals	0.85	5	226.8	224.9	230.1	223.3	226.1	222.4
Asbestos	0.59	4	231.2	239.9	249.7	238.2	237.6	238.9
Fuels	2.84	3	453.7	458.2	469.2	487.6	473.7	473.3
Coal	1.72	6	49.0	48.5	46.7	58.6	40.3	51.3
Natural gas	0.11	2	776.3	853.4	932.4	894.9	982.3	1001.0
Petroleum	1.02	3	1102.6	1107.8	1133.0	1168.4	1151.0	1129.4
MANUFACTURING, TOTAL	84.83	2	160.8	158.5	161.4	163.0	162.7	163.7
NON-DURABLE MANUFACTURES	45.74	2	163.5	162.4	164.1	166.0	164.4	164.8
Foods and beverages	11.83	4	159.4	160.7	161.7	166.8	162.3	162.5
Foods	8.99	4	154.5	157.5	158.4	161.6	158.0	158.9
Meat products	1.62	4	155.3	154.9	167.2	168.5	155.5	156.9
Dairy products	1.40	3	166.7	158.8	158.5	161.3	165.0	152.3
Canning and processing	1.40	4	154.2	183.4	178.5	176.7	175.4	188.0
Grain mill products	1.00	4	143.4	140.9	138.4	140.5	129.4	133.7
Bakery products	1.73	3	151.2	146.5	146.8	150.9	158.6	159.4
Miscellaneous foods	1.83	4	153.7	158.3	156.9	165.7	156.6	156.8
Beverages	2.85	6	175.0	171.0	172.4	183.0	175.6	173.6
Carbonated beverages	0.72	5	175.3	180.1	197.3	189.3	172.2	182.6
Breweries	1.44	6	156.4	134.3	150.1	149.2	161.9	160.0
Distilleries	0.63	6	220.9	247.3	199.3	258.1	215.7	199.0
Tobacco and tobacco products	0.77	6	193.3	212.4	200.3	209.4	195.4	205.3
Rubber products	1.33	3	170.3	154.5	151.4	156.0	161.7	168.1
Leather products	1.58	2	130.6	130.7	126.8	128.3	124.9	124.8
Boots and shoes	0.95	3	141.7	140.5	136.6	138.1	135.1	136.8

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	MCD	1961	1962				
	Proportions		Dec.	Jan.	Feb.	Mar.	Apr.	May
Textiles	5.04	3	147.6	141.0	143.5	140.1	138.9	146.8
Cotton goods	1.57	4	109.7	104.3	108.7	108.4	109.2	106.8
Wool goods	0.93	3	80.6	79.4	77.5	72.8	90.0	88.7
Synthetic Textiles & silk	1.33	3	252.1	233.9	240.0	231.9	213.4	246.1
Clothing	5.59	3	113.7	110.7	108.7	109.9	109.8	108.9
Men's, women's and children's clothing	3.45	3	116.8	116.3	113.9	114.6	113.5	111.8
Knitting mills	1.22	2	108.8	99.2	97.8	96.9	98.7	99.9
Paper products	8.22	3	157.3	154.8	157.9	161.4	158.8	156.5
Pulp and paper	6.54	3	157.5	154.7	158.3	158.7	156.9	155.8
Printing publishing and allied industries	3.95	4	151.6	149.9	153.8	152.7	154.8	156.6
Products of petroleum and coal	1.59	3	265.3	262.2	272.8	259.4	267.4	261.5
Petroleum products	1.41	3	285.8	283.1	295.0	279.9	289.0	282.1
Chemicals & allied products	4.22	2	223.9	228.8	234.3	238.0	237.0	234.3
Acids, alkalies, salts and fertilizers	1.07	2	258.0	261.2	264.4	263.8	267.6	270.5
Miscellaneous manufactures	1.62	1	230.5	232.0	232.3	234.3	235.0	234.0
DURABLE MANUFACTURES	39.09	2	157.6	153.9	158.4	159.6	160.7	162.4
Wood products	6.54	2	152.4	146.0	148.6	150.6	150.3	146.2
Saw and planing mills	4.48	3	163.7	153.4	157.4	159.5	159.4	153.4
Veneers and plywoods	0.38	3	315.6	319.1	316.4	310.5	315.2	300.5
Sawmills	3.08	4	154.0	138.8	146.1	149.5	149.0	142.7
Furniture	1.43	1	148.2	150.3	149.6	152.0	152.1	152.3
Iron and steel products	12.49	2	141.2	137.5	145.1	145.0	146.2	149.1
Machinery	2.64	1	137.6	139.5	142.3	142.9	143.3	142.8
Iron castings	1.20	3	120.0	84.4	117.0	130.0	139.9	140.8
Primary iron and steel	2.62	3	177.5	168.3	182.4	174.0	181.3	197.5
Sheet metal products	1.11	1	142.9	150.6	153.4	153.9	152.9	150.8
Transportation equipment	8.23	4	141.4	137.1	142.6	143.2	144.6	150.9
Aircraft and parts	0.63	1	283.8	283.5	279.5	273.2	265.1	259.4
Motor vehicles	3.21	4	177.1	165.2	179.1	179.3	184.2	202.6
Motor vehicle parts	1.43	1	124.0	126.0	128.4	131.7	137.1	138.1
Railway rolling stock	1.93	1	42.8	43.1	42.1	42.9	41.9	41.1
Shipbuilding and repairs	0.81	1	170.0	170.6	172.5	175.1	169.1	164.3

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	SEASONALLY ADJUSTED							
	1949	Proportions	1961		1962			
	MCD		Dec.	Jan.	Feb.	Mar.	Apr.	May
Non-ferrous metal products	4.97	3	152.5	154.5	150.6	150.1	147.1	153.8
Brass and copper products	0.75	1	126.2	128.0	125.2	127.2	128.4	128.0
Smelting and refining	3.19	3	171.4	173.9	167.8	166.3	161.5	172.0
Electrical apparatus and supplies	4.40	2	207.1	206.4	210.4	215.4	217.7	211.6
Heavy electrical machinery	1.52	1	142.6	144.3	143.7	146.2	147.2	148.6
Telecommunication equipment	0.44	2	557.6	544.1	563.4	603.8	612.7	544.1
Refrigerators and appliances	0.71	3	184.5	183.4	180.9	179.5	181.6	184.1
Non-metallic mineral products	2.46	2	230.7	218.7	227.2	230.8	240.3	241.6
Concrete products	0.30	4	600.4	499.4	529.8	585.7	654.9	653.4
Hydraulic cement	0.36	4	205.7	223.0	253.0	247.7	231.7	239.6
Domestic clay products	0.24	3	156.7	147.2	142.4	139.3	141.2	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	325.5	336.0	335.9	335.2	333.9	341.7
Electric power	4.60	2	304.4	314.7	314.8	313.7	313.4	321.8
Gas	0.51	3	514.4	527.2	525.3	528.5	518.1	520.2

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	Mar.	Apr.	May	Mar.	Apr.	May
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	164.6	166.4	171.5	182.8	180.2	188.1
MINING, TOTAL	253.3	266.9	235.4	243.8	262.9	277.7	264.5	290.5
Metals	197.9	191.7	173.1	174.5	182.8	180.2	186.0	205.5
Gold	111.2	107.1	110.2	112.9	107.8	102.2	107.0	98.6
Copper	168.7	170.4	158.1	161.1	162.8	170.1	161.9	171.3
Iron ore	406.3	504.7	251.5	289.0	466.2	305.4	438.4	786.6
Nickel	166.9	183.8	159.2	159.8	180.8	198.7	182.8	186.9
Non-metals	192.6	211.7	205.8	203.8	206.5	224.8	224.2	225.6
Asbestos	201.4	223.4	228.2	216.9	222.2	248.9	238.1	238.9
Fuels	380.2	430.7	380.5	401.0	429.6	507.2	441.4	470.0
Coal	53.3	49.9	41.2	45.8	50.7	51.7	37.1	44.3
Natural gas	589.2	712.0	780.3	698.2	613.1	1079.3	943.0	867.9
Petroleum	909.9	1043.7	910.7	968.9	1049.8	1215.1	1070.4	1146.3
MANUFACTURING, TOTAL	149.3	153.0	146.3	147.9	152.3	160.7	160.4	167.3
NON-DURABLE MANUFACTURES	151.8	157.0	149.5	152.2	154.7	161.0	160.2	164.9
Foods and beverages	150.2	154.2	132.6	140.9	147.4	142.0	147.6	160.8
Foods	147.1	151.2	129.8	136.1	143.5	137.2	141.0	153.3
Meat products	156.5	158.1	145.9	164.1	149.6	165.1	160.6	157.5
Dairy products	152.8	158.3	146.3	149.2	170.1	143.6	157.7	172.1
Canning and processing	149.5	153.8	68.1	70.0	98.4	75.5	80.9	127.8
Grain mill products	132.5	138.3	135.2	138.9	140.5	139.4	129.1	134.8
Bakery products	144.1	149.2	139.8	145.5	149.4	141.3	154.8	159.7
Miscellaneous foods	142.9	146.4	137.8	141.7	148.5	149.9	150.6	158.9
Beverages	160.2	163.6	141.5	155.9	159.7	157.2	168.3	184.3
Carbonated	158.7	165.6	119.4	147.9	141.5	144.8	151.2	187.5
Breweries	146.4	147.6	145.7	156.0	162.9	150.1	173.6	184.0
Distilleries	194.8	200.1	160.2	168.6	174.0	193.6	182.7	190.0
Tobacco and tobacco products	182.0	193.6	186.3	194.5	196.5	207.7	198.7	210.0
Rubber products	143.3	145.7	136.9	143.7	142.5	160.2	162.7	166.4
Leather products	111.8	123.8	131.9	130.9	120.1	140.5	132.9	123.2
Boots and shoes	123.7	134.3	148.9	146.8	129.6	158.5	148.7	136.8

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	Mar.	Apr.	May	Mar.	Apr.	May
Textiles	122.5	134.6	134.9	130.8	132.6	149.9	141.6	148.1
Cotton goods	89.6	98.8	97.3	95.8	99.2	118.6	114.0	111.0
Wool goods	78.5	80.3	80.5	79.3	74.2	76.7	89.6	81.6
Synthetic textiles and silk	187.6	219.5	225.0	211.6	217.0	255.1	218.9	251.0
Clothing	107.9	107.1	113.7	104.4	101.0	118.0	108.2	103.0
Men's, women's and children's clothing	109.4	110.3	119.9	106.0	102.0	126.0	111.8	105.9
Knitting mills	103.1	101.0	100.5	96.9	93.8	101.2	96.7	93.7
Paper products	148.4	153.4	148.3	152.1	155.5	158.3	157.9	160.1
Pulp and paper	148.2	153.1	151.1	153.1	155.8	159.7	157.4	160.2
Printing publishing and allied industries	146.5	148.2	151.4	148.3	149.5	157.5	155.2	159.8
Products of petroleum and coal	250.6	258.8	243.7	249.7	257.1	254.1	240.8	254.5
Petroleum products	269.8	279.0	262.4	268.3	276.5	273.2	258.4	273.6
Chemicals and allied products	219.7	222.1	212.9	225.2	228.1	231.9	241.0	241.5
Acids, alkalies, salts and fertilizers	260.8	257.2	252.7	259.3	271.2	257.7	268.7	282.7
Miscellaneous manufactures	191.6	213.0	195.0	197.3	201.7	227.5	228.7	227.9
TOTAL MANUFACTURES	146.4	148.4	142.5	143.0	149.6	160.3	160.6	170.1
Wood products	136.0	139.6	139.0	125.0	137.3	153.9	137.5	149.6
Saw and planing mills	141.2	146.7	150.2	129.1	145.4	168.0	143.7	160.2
Veneers and plywoods	267.1	295.4	294.0	290.7	315.8	332.2	336.9	332.0
Sawmills	132.7	134.1	145.6	114.7	132.4	163.1	127.4	150.5
Furniture	141.3	143.6	131.5	132.7	136.5	143.2	143.7	146.1
Iron and steel products	137.3	139.4	135.1	135.5	140.0	144.3	146.6	153.1
Machinery	135.1	133.4	127.9	130.1	131.6	140.5	143.0	143.8
Iron castings	147.8	144.3	179.7	147.3	128.5	144.3	142.7	150.7
Primary iron and steel	162.1	174.0	162.8	169.4	189.3	178.2	188.0	205.4
Sheet metal products	143.5	141.0	129.2	134.4	139.7	140.4	145.3	149.9
Transportation equipment	130.0	129.8	132.4	139.7	139.5	161.3	169.7	179.5
Aircraft and parts	238.4	269.5	272.2	268.5	266.8	280.0	269.3	260.7
Motor vehicles	159.0	157.3	166.7	186.8	187.3	220.6	239.5	265.4
Motor vehicle parts	121.1	121.3	117.8	119.5	122.5	138.3	145.1	149.1
Railway rolling stock	51.2	42.9	42.2	41.9	41.4	41.2	41.5	41.9
Shipbuilding and repairs	143.2	145.2	138.4	132.1	124.5	180.4	186.0	180.7

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	Mar.	Apr.	May	Mar.	Apr.	May
Non-ferrous metal products	148.3	147.6	146.2	147.3	149.5	150.1	147.9	152.5
Brass and copper products	115.2	122.2	115.0	115.9	118.3	126.7	127.8	127.5
Smelting and refining	168.7	165.6	166.8	167.2	171.1	167.8	164.2	171.1
Electrical apparatus and supplies	180.2	182.6	166.7	165.2	166.6	209.4	205.6	204.2
Heavy electrical machinery	135.3	132.0	122.3	124.6	127.5	140.5	143.4	146.4
Telecommunication equipment	398.6	428.9	361.7	321.3	339.4	568.2	515.3	495.1
Refrigerators and appliances	176.6	171.3	174.6	181.9	166.8	193.9	194.3	188.5
Non-metallic mineral products	210.9	220.2	172.7	191.4	234.0	188.5	208.6	253.6
Concrete products	511.9	574.1	414.8	471.3	666.7	427.0	523.9	742.9
Hydraulic cement	203.8	214.6	125.1	182.6	263.7	153.6	187.2	268.3
Domestic clay products	152.8	146.2	106.2	129.5	150.3	115.6	129.9	
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	329.5	320.6	309.8	363.7	342.5	331.2
Electric power	287.4	298.5	299.1	293.1	292.6	322.5	311.5	316.0
Gas	392.7	490.6	602.5	568.2	463.8	733.6	620.7	467.1

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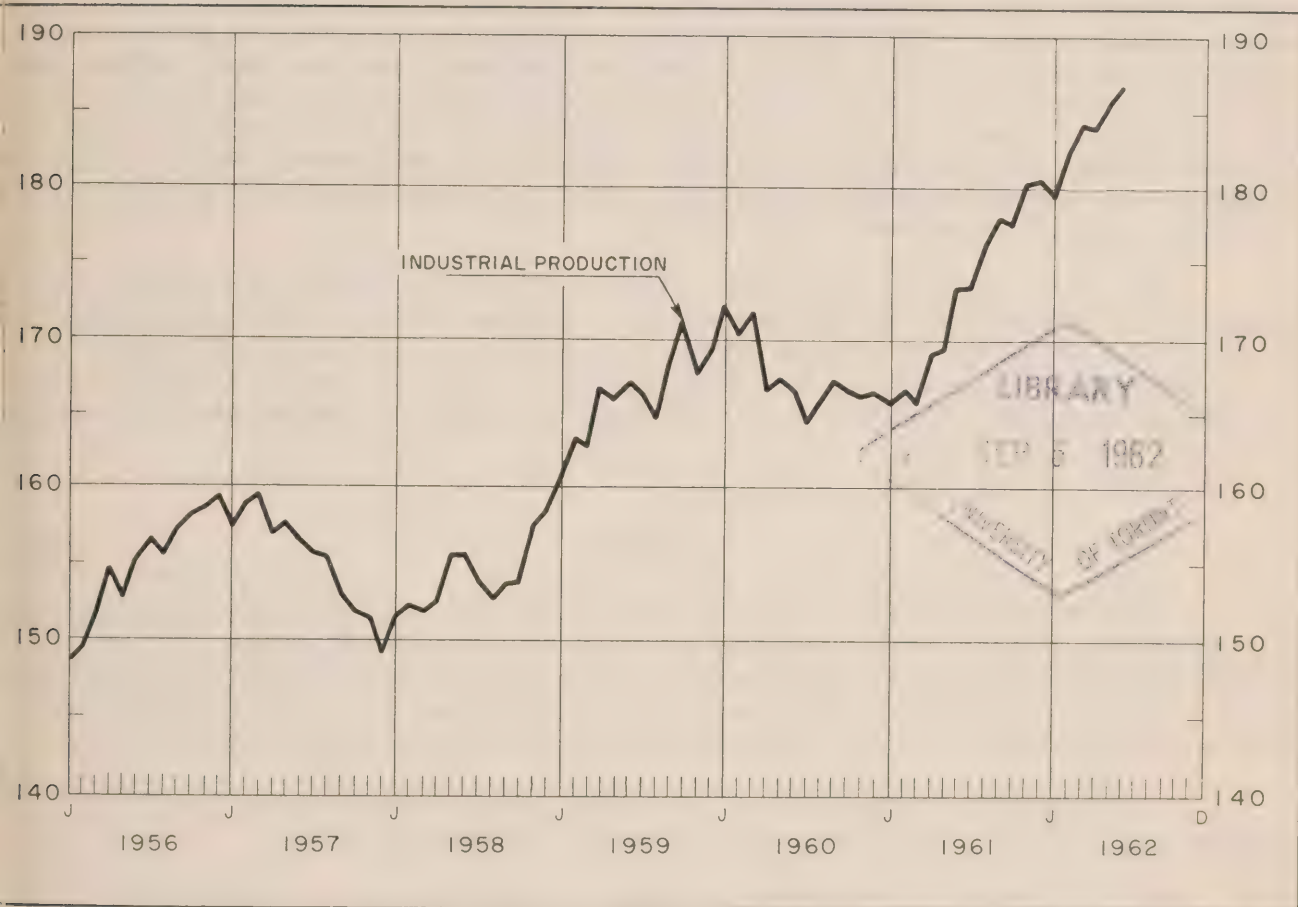
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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)

Canada's index of industrial production gained
about one-half of one per cent in June



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

205-502-62

The seasonally adjusted index of industrial production climbed to 186.6 in June, a gain of about one-half of one per cent. This latest advance was due solely to a 1.1% increase in manufacturing output, with both mining and electric power and gas utilities lower by more than 1% during the month. In the January to June period of this year, the total index is 9.3% higher than the comparable period of 1961. On a seasonally adjusted basis the second quarter average is 1.8% above the first quarter level.

In June, the 1.6% increase in non-durable manufacturing reflected widespread increases. With the exceptions of petroleum products and miscellaneous manufactures which were virtually unchanged during the month and the printing and publishing industries which were down by 2%, all other non-durable major groups showed gains in June. Chemicals and clothing products were up 1%, tobacco, textiles and paper products were up by 2%, foods and beverages and rubber products by 3%, and leather products by almost 5%.

Durable manufactures was also higher in June, by one-half of one per cent, again reflecting fairly widespread increase in the major group detail. Iron and steel products gained a further 2% in June, with almost all industry groups contributing, particularly iron castings (+9%) and primary iron and steel (+3%). Wood products, non-metallic mineral products and transportation equipment advanced 1%, the latter due to small increases in both shipbuilding and motor vehicles output. Electrical apparatus and supplies climbed by 2% during the month. With a 10% drop in non-ferrous metal smelting and refining output, non-ferrous metal products showed a substantial decline.

The drop in mining was almost fully due to a 3% decline in metals, with both non-metals and fuels largely unchanged. However, within fuels, increases in both coal and natural gas were offset by a decline in the output of crude petroleum. For the most part, the metal mining decline was concentrated in iron ore and nickel production. However, both of these industries have recorded good gains on a year over year basis.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	SEASONALLY ADJUSTED						
		1962						
		MCD	Jan.	Feb.	Mar.	Apr.	May	June
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	179.8	182.5	184.3	184.1	185.8	186.6
MINING, TOTAL	10.07	2	279.3	281.7	287.4	287.3	286.5	282.6
Metals	5.97	2	198.6	194.3	196.0	202.2	206.5	200.0
Gold	1.93	5	101.7	100.4	102.8	106.3	98.8	97.5
Copper	1.10	4	159.9	166.5	171.5	167.3	173.6	177.2
Iron ore	0.31	4	625.8	543.5	587.5	730.7	749.1	651.8
Nickel	1.05	4	196.2	183.0	201.3	181.0	187.5	170.7
Non-metals	0.85	5	224.9	230.1	223.3	226.1	222.4	223.8
Asbestos	0.59	4	239.9	249.7	238.2	237.6	238.9	237.3
Fuels	2.84	3	458.2	469.2	487.6	473.7	462.7	462.1
Coal	1.72	6	48.5	46.7	58.6	40.3	51.3	56.4
Natural gas	0.11	2	853.4	932.4	894.9	982.3	1017.9	1087.5
Petroleum	1.02	3	1107.8	1133.0	1168.4	1151.0	1097.9	1080.1
MANUFACTURING, TOTAL	84.83	2	158.5	161.4	163.0	162.8	164.4	166.2
NON-DURABLE MANUFACTURES	45.74	2	162.4	164.1	166.0	164.7	165.5	168.1
Foods and beverages	11.83	4	160.7	161.7	166.8	162.3	162.9	167.5
Foods	8.99	4	157.5	158.4	161.6	158.1	159.3	160.4
Meat products	1.62	4	154.9	167.2	168.5	155.5	156.9	164.3
Dairy products	1.40	3	158.8	158.5	161.3	165.0	152.9	159.6
Canning and processing	1.40	4	183.4	178.5	176.7	175.4	188.2	161.3
Grain mill products	1.00	4	140.9	138.4	140.5	129.4	133.7	146.3
Bakery products	1.73	3	146.5	146.8	150.9	158.7	160.3	164.9
Miscellaneous foods	1.83	4	158.3	156.9	165.7	156.7	157.4	160.3
Beverages	2.85	6	171.0	172.4	183.0	175.6	174.1	190.0
Carbonated beverages	0.72	5	180.1	197.3	189.3	172.2	182.6	198.0
Breweries	1.44	6	134.3	150.1	149.2	161.9	160.0	162.7
Distilleries	0.63	6	247.3	199.3	258.1	215.7	199.0	248.3
Tobacco and tobacco products	0.77	6	212.4	200.3	209.4	195.4	205.3	209.6
Rubber products	1.33	3	154.5	151.4	156.0	161.7	168.1	173.4
Leather products	1.58	2	130.7	126.8	128.3	124.9	125.1	131.0
Boots and shoes	0.95	3	140.5	136.6	138.1	135.1	136.8	144.9

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1962					
			Jan.	Feb.	Mar.	Apr.	May	June
Textiles	5.04	3	141.0	143.5	140.1	138.9	146.9	149.1
Cotton goods	1.57	4	104.3	108.7	108.4	109.2	106.8	99.5
Wool goods	0.93	3	79.4	77.5	72.8	90.0	88.7	94.5
Synthetic Textiles & Silk	1.33	3	233.9	240.0	231.9	213.4	246.1	256.9
Clothing	5.59	3	110.7	108.7	109.9	109.6	110.0	111.1
Men's, women's and children's clothing	3.45	3	116.3	113.9	114.6	113.4	112.4	112.6
Knitting mills	1.22	2	99.2	97.8	96.9	98.7	102.7	107.0
Paper products	8.22	3	154.8	157.9	161.4	158.8	156.5	159.8
Pulp and paper	6.54	3	154.7	158.3	158.7	156.9	155.8	159.0
Printing publishing and allied industries	3.95	4	149.9	153.8	152.7	154.8	156.9	153.7
Products of petroleum and coal	1.59	3	262.2	272.8	259.4	273.8	267.7	267.8
Petroleum products	1.41	3	283.1	295.0	279.9	296.2	289.1	
Chemicals & allied products	4.22	2	228.8	234.3	238.0	237.1	234.8	237.3
Acids, alkalies, salts and fertilizers	1.07	2	261.2	264.4	263.8	267.8	273.3	276.5
Miscellaneous manufactures	1.62	1	232.0	232.3	234.3	235.0	238.6	237.9
DURABLE MANUFACTURES	39.09	2	153.9	158.4	159.6	160.7	163.1	163.9
Wood products	6.54	2	146.0	148.6	150.6	150.3	146.1	147.6
Saw and planing mills	4.48	3	153.4	157.4	159.5	159.3	153.2	155.9
Veneers and plywoods	0.38	3	319.1	316.4	310.5	315.2	300.5	319.5
Sawmills	3.08	4	138.8	146.1	149.5	149.0	142.7	144.2
Furniture	1.43	1	150.3	149.6	152.0	152.3	152.8	151.6
Iron and steel products	12.49	2	137.5	145.1	145.0	146.2	150.0	153.3
Machinery	2.64	1	139.5	142.3	142.9	143.3	144.3	146.8
Iron castings	1.20	3	84.4	117.0	130.0	139.9	140.8	153.0
Primary iron and steel	2.62	3	168.3	182.4	174.0	181.3	197.5	202.7
Sheet metal products	1.11	1	150.6	153.4	153.9	153.3	154.3	154.3
Transportation equipment	8.23	4	137.1	142.6	143.2	144.8	152.5	154.3
Aircraft and parts	0.63	1	283.5	279.5	273.2	265.0	261.7	266.5
Motor vehicles	3.21	4	165.2	179.1	179.3	184.2	202.6	203.7
Motor vehicle parts	1.43	1	126.0	128.4	131.7	138.1	140.0	138.4
Railway rolling stock	1.93	1	43.1	42.1	42.9	41.9	41.1	40.9
Shipbuilding and repairs	0.81	1	170.6	172.5	175.1	169.3	174.4	187.7

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions MCD		SEASONALLY ADJUSTED						
			1962						
			Jan.	Feb.	Mar.	Apr.	May	June	
Non-ferrous metal products	4.97	3	154.5	150.6	150.1	147.1	154.3	143.2	
Brass and copper products	0.75	1	128.0	125.2	127.2	128.4	128.5	129.4	
Smelting and refining	3.19	3	173.9	167.8	166.3	161.5	172.0	154.6	
Electrical apparatus and supplies	4.40	2	206.4	210.4	215.4	217.7	212.1	215.6	
Heavy electrical machinery	1.52	1	144.3	143.7	146.2	146.9	148.4	149.2	
Telecommunication equipment	0.44	2	544.1	563.4	603.8	612.7	540.1	551.4	
Refrigerators and appliances	0.71	3	183.4	180.9	179.5	183.7	188.8	202.6	
Non-metallic mineral products	2.46	2	218.7	227.2	230.8	240.4	241.0	243.1	
Concrete products	0.30	4	499.4	529.8	585.7	654.9	653.4	636.7	
Hydraulic cement	0.36	4	223.0	253.0	247.7	231.7	239.6	249.3	
Domestic clay products	0.24	3	147.2	142.4	139.3	141.2			
ELECTRIC POWER AND GAS UTILITIES	5.11	2	336.0	335.9	335.2	333.9	341.7	337.6	
Electric power	4.60	2	314.7	314.8	313.7	313.4	321.8	313.0	
Gas	0.51	3	527.2	525.3	528.5	518.1	520.2	558.2	

TABLE II. Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	Apr.	May	June	Apr.	May	June
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	166.4	171.5	179.8	180.3	188.4	194.9
MINING, TOTAL	253.3	266.9	243.8	262.9	274.1	264.5	287.6	294.9
Metals	197.9	191.7	174.5	182.8	201.6	186.0	205.6	218.5
Gold	111.2	107.1	112.9	107.8	106.7	107.0	98.7	97.5
Copper	168.7	170.4	161.1	162.8	182.9	161.9	171.3	189.2
Iron ore	406.3	504.7	289.0	466.2	625.3	438.4	786.6	925.6
Nickel	166.9	183.8	159.8	180.8	185.2	182.8	186.9	177.2
Non-metals	192.6	211.7	203.8	206.5	226.5	224.2	225.6	236.2
Asbestos	201.4	223.4	216.9	222.2	237.6	238.1	238.9	244.2
Fuels	380.2	430.7	401.0	429.6	417.4	441.4	459.2	444.4
Coal	53.3	49.9	45.8	50.7	46.3	37.1	44.3	44.2
Natural gas	589.2	712.0	698.2	613.1	557.9	943.0	882.5	859.1
Petroleum	909.9	1043.7	968.9	1049.8	1029.1	1070.4	1114.4	1075.8
MANUFACTURING, TOTAL	149.3	153.0	147.9	152.3	161.6	160.5	168.0	176.0
NON-DURABLE MANUFACTURES	151.8	157.0	152.2	154.7	163.2	160.3	165.6	173.9
Foods and beverages	150.2	154.2	140.9	147.4	167.6	147.6	161.2	179.4
Foods	147.1	151.2	136.1	143.5	161.5	141.1	153.8	167.2
Meat products	156.5	158.1	164.1	149.6	155.1	160.6	157.5	154.4
Dairy products	152.8	158.3	149.2	170.1	204.0	157.7	172.8	206.8
Canning and processing	149.5	153.8	70.0	98.4	158.7	80.9	127.9	156.3
Grain mill products	132.5	138.3	138.9	140.5	140.5	129.1	134.8	146.2
Bakery products	144.1	149.2	145.5	149.4	160.0	154.8	160.5	170.6
Miscellaneous foods	142.9	146.4	141.7	148.5	149.7	150.7	159.6	164.7
Beverages	160.2	163.6	155.9	159.7	187.0	168.3	184.7	217.8
Carbonated	158.7	165.6	147.9	141.5	194.6	151.2	187.5	222.9
Breweries	146.4	147.6	156.0	162.9	180.0	173.6	184.0	203.4
Distilleries	194.8	200.1	168.6	174.0	201.1	182.7	190.0	256.0
Tobacco and tobacco products	182.0	193.6	194.5	196.5	231.3	198.7	210.0	236.9
Rubber products	143.3	145.7	143.7	142.5	161.7	162.7	166.4	192.5
Leather products	111.8	123.8	130.9	120.1	125.6	133.0	123.5	129.3
Boots and shoes	123.7	134.3	146.8	129.6	135.9	148.7	136.8	143.3

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT								
Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	Apr.	May	June	Apr.	May	June
Textiles	122.5	134.6	130.8	132.6	142.4	141.6	148.2	155.9
Cotton goods	89.6	98.8	95.8	99.2	98.1	114.0	111.0	99.9
Wool goods	78.5	80.3	79.3	74.2	94.6	89.6	81.6	97.3
Synthetic textiles and silk	187.6	219.5	211.6	217.0	239.3	218.9	251.0	279.8
Clothing	107.9	107.1	104.4	101.0	101.4	108.0	104.0	104.8
Men's, women's and children's clothing	109.4	110.3	106.0	102.0	101.7	111.7	106.4	105.2
Knitting mills	103.1	101.0	96.9	93.8	95.6	96.7	96.3	100.6
Paper products	148.4	153.4	152.1	155.5	157.5	157.9	160.1	163.2
Pulp and paper	148.2	153.1	153.1	155.8	154.6	157.4	160.2	161.4
Printing publishing and allied industries	146.5	148.2	148.3	149.5	143.3	155.2	160.0	154.5
Products of petroleum and coal	250.6	258.8	249.7	257.1	262.3	246.5	260.5	272.4
Petroleum products	269.8	279.0	268.3	276.5	282.0	264.8	280.4	
Chemicals and allied products	219.7	222.1	225.2	228.1	234.7	241.1	242.3	249.4
Acids, alkalies, salts and fertilizers	260.8	257.2	259.3	271.2	268.8	268.9	285.6	286.7
Miscellaneous manufactures	191.6	213.0	197.3	201.7	207.5	228.7	232.4	233.9
DURABLE MANUFACTURES	146.4	148.4	143.0	149.6	159.8	160.7	170.8	178.5
Wood products	136.0	139.6	125.0	137.3	156.8	137.5	149.5	167.5
Saw and planing mills	141.2	146.7	129.1	145.4	172.0	143.6	160.1	185.2
Veneers and plywoods	267.1	295.4	290.7	315.8	327.9	336.9	332.0	341.9
Sawmills	132.7	134.1	114.7	132.4	164.7	127.4	150.5	181.8
Furniture	141.3	143.6	132.7	136.5	141.1	143.9	146.5	148.6
Iron and steel products	137.3	139.4	135.5	140.0	149.0	146.6	154.1	162.2
Machinery	135.1	133.4	130.1	131.6	133.5	143.0	145.3	148.9
Iron castings	147.8	144.3	147.3	128.5	164.3	142.7	150.7	166.8
Primary iron and steel	162.1	174.0	169.4	189.3	194.2	188.0	205.4	214.9
Sheet metal products	143.5	141.0	134.4	139.7	147.6	145.6	153.4	161.7
Transportation equipment	130.0	129.8	139.7	139.5	146.6	169.9	181.2	182.1
Aircraft and parts	238.4	269.5	268.5	266.8	267.3	269.2	263.0	263.3
Motor vehicles	159.0	157.3	186.8	187.3	198.1	239.5	265.4	266.9
Motor vehicle parts	121.1	121.3	119.5	122.5	123.3	146.1	151.2	149.5
Railway rolling stock	51.2	42.9	41.9	41.4	41.9	41.5	41.9	42.3
Shipbuilding and repairs	143.2	145.2	132.1	124.5	154.2	186.2	191.8	197.1

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

		WITHOUT SEASONAL ADJUSTMENT						
Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	Apr.	May	June	Apr.	May	June
Non-ferrous metal products	148.3	147.6	147.3	149.5	146.9	147.9	153.0	145.0
Brass and copper products	115.2	122.2	115.9	118.3	121.8	127.8	128.0	129.8
Smelting and refining	168.7	165.6	167.2	171.1	165.5	164.2	171.1	157.7
Electrical apparatus and supplies	180.2	182.6	165.2	166.6	179.8	205.6	204.8	215.1
Heavy electrical machinery	135.3	132.0	124.6	127.5	131.7	143.1	146.2	149.9
Telecommunication equipment	398.6	428.9	321.3	339.4	392.2	515.3	491.5	524.9
Refrigerators and appliances	176.6	171.3	181.9	166.8	189.5	196.6	193.3	216.8
Non-metallic mineral products	210.9	220.2	191.4	234.0	257.7	208.7	253.0	281.4
Concrete products	511.9	574.1	471.3	666.7	743.0	523.9	742.9	828.4
Hydraulic cement	203.8	214.6	182.6	263.7	307.2	187.2	268.3	334.1
Domestic clay products	152.8	146.2	129.5	150.3	171.8	129.9		
ELECTRIC POWER AND GAS UTILITIES								
Electric power	287.4	298.5	293.1	292.6	287.7	311.5	316.0	303.0
Gas	392.7	490.6	568.2	463.8	365.9	620.7	467.1	389.6

CATALOGUE No.

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DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

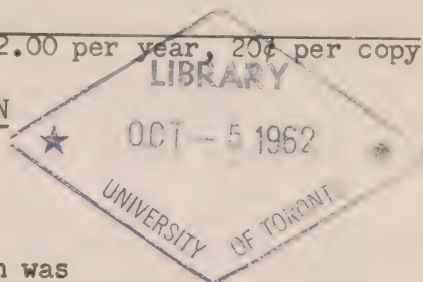
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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)



Canada's index of industrial production was
virtually unchanged in July.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

September, 1962
205-502.

The seasonally adjusted index of industrial production was virtually unchanged in July at 186.8, the result of changes of less than 1% in each of its three major components, manufacturing, mining and electric power and gas utilities.

The gain in durable manufactures of almost 1% in July was the sixth consecutive monthly advance since January of this year, yielding an overall increase since then of more than 8% in this group. The most notable contributors to this gain have been the iron and steel and transportation equipment groups, although, with the exception of non-ferrous metal products, each of the remaining groups has shown considerable strength during the January-July period. During the period, iron and steel was up by 13% and transportation equipment by 15%.

Led by the motor vehicle and related industries, transportation equipment gained more than 2% in July. With considerably higher veneer and plywood output, wood products was up by 3%. After strong gains in May and June, iron and steel products were higher by less than one half of one percent in July. A decline in electrical apparatus and supplies (-2%) was partially offset by a 2% gain in non-ferrous metal products. The output of non-metallic mineral products was virtually unchanged during the month.

The non-durable decline of about one half of one percent was, for the most part, due to offsetting gains and losses of 1% in the detail. The two exceptions to this included foods and beverages (-4%), which represented a return to more normal levels after the unusually high June level. Elsewhere, textiles were up by almost 5% due to increased cotton goods and synthetic textiles output.

Metal mining output was lower by almost 4% with almost all the major metals contributing to the decline, particularly iron ore, zinc, copper and other metals (including uranium). With somewhat higher natural gas and crude petroleum output, fuel mining gained by almost 3%.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE I. Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportions	MCD	SEASONALLY ADJUSTED						
			1962						
			Feb.	Mar.	Apr.	May	June	July	
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	182.5	184.3	184.1	186.0	186.6	186.8	
MINING, TOTAL	10.07	2	281.7	287.4	287.3	288.1	279.3	278.6	
Metals	5.97	2	194.3	196.0	202.2	207.1	200.2	192.9	
Gold	1.93	5	100.4	102.8	106.3	98.8	97.5	97.5	
Copper	1.10	4	166.5	171.5	167.3	173.7	177.6	173.3	
Iron ore	0.31	4	543.5	587.5	730.7	749.1	651.8	605.4	
Nickel	1.05	4	183.0	201.3	181.0	190.7	171.4	176.0	
Non-metals	0.85	5	230.1	223.3	226.1	222.4	223.8	227.1	
Asbestos	0.59	4	249.7	238.2	237.6	238.9	237.3	238.9	
Fuels	2.84	3	469.2	487.6	473.7	462.7	450.1	462.0	
Coal	1.72	6	46.7	58.6	40.3	51.3	56.4	53.6	
Natural gas	0.11	2	932.4	894.9	982.3	1017.9	1075.4	1199.3	
Petroleum	1.02	3	1133.0	1168.4	1151.0	1097.9	1047.7	1072.5	
MANUFACTURING, TOTAL	84.83	2	161.4	163.0	162.8	164.5	166.6	166.7	
NON-DURABLE MANUFACTURES	45.74	2	164.1	166.0	164.7	165.5	167.6	166.6	
Food and beverages	11.83	4	161.7	166.8	162.3	163.2	168.2	162.2	
Food	8.99	4	158.4	161.6	158.1	159.8	161.2	158.4	
Meat products	1.62	4	167.2	168.5	155.5	156.9	164.3	152.7	
Dairy products	1.40	3	158.5	161.3	165.0	152.9	159.6	158.6	
Canning and processing	1.40	4	178.5	176.7	175.4	191.7	172.4	197.5	
Grain mill products	1.00	4	138.4	140.5	129.4	133.7	146.5	142.8	
Bakery products	1.73	3	146.8	150.9	158.7	160.3	162.7	154.0	
Miscellaneous foods	1.83	4	156.9	165.7	156.7	157.1	157.6	145.9	
Beverages	2.85	6	172.4	183.0	175.6	173.6	190.5	174.3	
Carbonated beverages	0.72	5	197.3	189.3	172.2	180.8	198.9	167.8	
Breweries	1.44	6	150.1	149.2	161.9	160.0	162.7	165.4	
Distilleries	0.63	6	199.3	258.1	215.7	199.0	248.3		
Tobacco and tobacco products	0.77	6	200.3	209.4	195.4	205.3	209.6	204.5	
Rubber products	1.33	3	151.4	156.0	161.7	168.1	173.4	172.0	
Leather products	1.58	2	126.8	128.3	124.9	125.0	131.0	129.6	
Boots and shoes	0.95	3	136.6	138.1	135.1	136.8	144.9	143.1	

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

SEASONALLY ADJUSTED

Industry or Industry Group	1949 Proportions	MCD	1962					
			Feb.	Mar.	Apr.	May	June	July
Textiles	5.04	3	143.5	140.1	138.9	146.9	147.6	154.5
Cotton goods	1.57	4	108.7	108.4	109.2	106.8	99.5	109.5
Wool goods	0.93	3	77.5	72.8	90.0	88.7	94.5	98.1
Synthetic Textiles & Silk	1.33	3	240.0	231.9	213.4	246.1	250.5	261.5
Clothing	5.59	3	108.7	109.9	109.6	110.0	111.7	111.5
Men's, women's and children's clothing	3.45	3	113.9	114.6	113.4	112.2	113.1	113.7
Knitting mills	1.22	2	97.8	96.9	98.7	102.7	108.8	107.2
Paper products	8.22	3	157.9	161.4	158.8	156.6	160.0	159.1
Pulp and paper	6.54	3	158.3	158.7	156.9	155.8	159.0	158.0
Printing publishing and allied industries	3.95	4	153.8	152.7	154.8	156.9	153.2	154.9
Products of petroleum and coal	1.59	3	272.8	259.4	273.8	267.7	250.5	251.4
Petroleum products	1.41	3	295.0	279.9	296.2	289.1	268.5	269.3
Chemicals & allied products	4.22	2	234.3	238.0	237.1	234.9	237.3	236.0
Acids, alkalis, salts and fertilizers	1.07	2	264.4	263.8	267.8	273.9	272.8	271.9
Miscellaneous manufactures	1.62	1	232.3	234.3	235.0	235.6	239.0	240.9
DURABLE MANUFACTURES	39.09	2	158.4	159.6	160.7	163.2	165.4	166.9
Wood products	6.54	2	148.6	150.6	150.3	146.3	148.6	153.2
Saw and planing mills	4.48	3	157.4	159.5	159.3	153.4	156.5	162.7
Veneers and plywoods	0.38	3	316.4	310.5	315.2	300.5	319.5	404.5
Sawmills	3.08	4	146.1	149.5	149.0	142.7	144.2	142.0
Furniture	1.43	1	149.6	152.0	152.3	152.8	154.1	155.5
Iron and steel products	12.49	2	145.1	145.0	146.2	150.3	154.2	154.6
Machinery	2.64	1	142.3	142.9	143.3	144.3	145.9	145.9
Iron castings	1.20	3	117.0	130.0	139.9	140.8	153.0	158.0
Primary iron and steel	2.62	3	182.4	174.0	181.3	177.5	202.7	200.5
Sheet metal products	1.11	1	153.4	153.9	153.3	154.7	159.3	160.1
Transportation equipment	3.44	1	142.6	143.2	144.3	152.3	154.0	157.7
Aircraft and parts	0.63	1	279.5	273.2	265.0	261.6	266.1	260.1
Motor vehicles	3.21	4	179.1	179.3	184.2	202.6	203.7	209.4
Motor vehicle parts	1.43	1	128.4	131.7	138.1	139.2	135.5	144.6
Railway rolling stock	1.93	1	42.1	42.9	41.9	41.1	40.8	41.2
Shipbuilding and repairs	0.81	1	172.5	175.1	169.3	174.4	189.4	190.5

TABLE I. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	1949 Proportion	SEASONALLY ADJUSTED						
		1962						
		MCD	Feb.	Mar.	Apr.	May	June	July
Non-ferrous metal products	4.97	3	150.6	150.1	147.1	154.3	146.7	150.0
Brass and copper products	0.75	1	125.2	127.2	128.4	128.5	128.0	126.9
Smelting and refining	3.19	3	167.8	166.3	161.5	172.0	160.1	165.3
Electrical apparatus and supplies	4.40	2	210.4	215.4	217.7	212.0	219.5	214.2
Heavy electrical machinery	1.52	1	143.7	146.2	146.9	148.4	151.2	153.0
Telecommunication equipment	0.44	2	563.4	603.8	612.7	539.5	573.5	538.3
Refrigerators and appliances	0.71	3	180.9	179.5	183.7	189.2	203.2	181.1
Non-metallic mineral products	2.46	2	227.2	230.8	240.4	241.1	245.1	245.1
Concrete products	0.30	4	529.8	585.7	654.9	653.4	645.0	653.8
Hydraulic cement	0.36	4	253.0	247.7	231.7	239.6	249.3	238.5
Domestic clay products	0.24	3	142.4	139.3	141.2	141.5		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	335.9	335.2	333.9	341.7	337.6	340.5
Electric power	4.60	2	314.8	313.7	313.4	321.8	313.0	308.6
Gas	0.51	3	525.3	528.5	518.1	520.2	558.2	626.7

TABLE II. Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	May	June	July	May	June	July
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	171.5	179.8	168.7	188.6	194.9	182.5
MINING, TOTAL	253.3	266.9	262.9	274.1	275.7	289.4	291.6	294.2
Metals	197.9	191.7	182.8	201.6	206.9	206.2	218.7	211.1
Gold	111.2	107.1	107.8	106.7	103.9	98.7	97.5	97.8
Copper	168.7	170.4	162.8	182.9	170.8	171.4	189.7	176.1
Iron ore	406.3	504.7	466.2	625.3	890.9	786.6	925.6	920.2
Nickel	166.9	183.8	180.8	185.2	187.5	190.1	177.9	174.6
Non-metals	192.6	211.7	206.5	226.5	192.7	225.6	236.2	209.5
Asbestos	201.4	223.4	222.2	237.6	197.6	238.9	244.2	212.6
Fuels	380.2	430.7	429.6	417.4	423.2	459.2	432.5	465.8
Coal	53.3	49.9	50.7	46.3	41.3	44.3	44.2	45.8
Natural gas	589.2	712.0	613.1	557.9	521.8	882.5	849.6	821.5
Petroleum	909.9	1043.7	1049.8	1029.1	1057.8	1114.4	1043.5	1136.9
MANUFACTURING, TOTAL	149.3	153.0	152.3	161.6	149.7	168.0	176.4	163.0
NON-DURABLE MANUFACTURES	151.8	157.0	154.7	163.2	153.7	165.6	173.2	162.1
Foods and beverages	150.2	154.2	147.4	167.6	172.7	161.3	179.6	179.4
Foods	147.1	151.2	143.5	161.5	168.7	154.0	167.4	174.7
Meat products	156.5	158.1	149.6	155.1	155.3	157.5	154.4	145.5
Dairy products	152.8	158.3	170.1	204.0	189.1	172.8	206.8	188.2
Canning and processing	149.5	153.8	98.4	158.7	258.4	129.8	163.9	290.4
Grain mill products	132.5	138.3	140.5	140.5	141.2	134.8	146.3	139.0
Bakery products	144.1	149.2	149.4	160.0	156.6	160.5	168.4	162.6
Miscellaneous foods	142.9	146.4	148.5	149.7	122.9	159.4	161.9	132.6
Beverages	160.2	163.6	159.7	187.0	185.1	184.2	218.3	194.3
Carbonated	158.7	165.6	141.5	194.6	235.1	185.7	224.0	221.6
Breweries	146.4	147.6	162.9	180.0	177.7	184.0	203.4	196.0
Distilleries	194.8	200.1	174.0	201.1	152.4	190.0	256.0	
Tobacco and tobacco products	182.0	193.6	196.5	231.3	148.9	210.0	236.9	157.5
Rubber products	143.3	145.7	142.5	161.7	132.4	166.4	192.5	147.9
Leather products	111.8	123.8	120.1	125.6	91.3	123.4	129.3	93.6
Boots and shoes	123.7	134.3	129.6	135.9	95.2	136.8	143.3	96.9

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

Industry or Industry Group	WITHOUT SEASONAL ADJUSTMENT							
	Annual Average		1961			1962		
	1960	1961	May	June	July	May	June	July
Textiles	122.5	134.6	132.6	142.4	108.8	148.2	154.2	118.5
Cotton goods	89.6	98.8	99.2	98.1	68.0	111.0	99.9	72.3
Wool goods	78.5	80.3	74.2	94.6	67.0	81.6	97.3	73.3
Synthetic textiles and silk	187.6	219.5	217.0	239.3	169.2	251.0	272.8	188.8
Clothing	107.9	107.1	101.0	101.4	102.4	104.0	105.3	105.4
Men's, women's and children's clothing	109.4	110.3	102.0	101.7	105.2	106.3	105.6	110.1
Knitting mills	103.1	101.0	93.8	95.6	89.5	96.3	102.3	89.8
Paper products	148.4	153.4	155.5	157.5	152.2	160.1	163.4	157.0
Pulp and paper	148.2	153.1	155.8	154.6	148.6	160.2	161.4	153.1
Printing publishing and allied industries	146.5	148.2	149.5	143.3	138.8	160.1	154.0	147.7
Products of petroleum and coal	250.6	258.8	257.1	262.3	232.3	260.5	254.8	254.2
Petroleum products	269.8	279.0	276.5	282.0	248.2	280.4	273.3	272.8
Chemicals and allied products	219.7	222.1	228.1	234.7	217.9	242.5	249.4	229.4
Acids, alkalies, salts and fertilizers	260.8	257.2	271.2	268.8	257.5	286.2	282.9	271.9
Miscellaneous manufactures	191.6	213.0	204.7	207.5	211.3	229.5	234.9	237.8
ALL MANUFACTURES	146.4	148.4	149.6	159.8	145.0	170.9	180.0	164.1
Food products	136.0	139.6	137.3	156.8	150.3	149.6	168.5	159.1
Saw and planing mills	141.2	146.7	145.4	172.0	161.4	160.2	185.8	170.4
Veneers and plywoods	267.1	295.4	315.8	327.9	267.3	332.0	341.9	312.7
Sawmills	132.7	134.1	132.4	164.7	153.7	150.5	181.8	160.5
Furniture	141.3	143.6	136.5	141.1	144.1	146.5	151.0	155.0
Iron and steel products	137.3	139.4	140.0	149.0	136.7	154.4	163.2	150.2
Machinery	135.1	133.4	131.6	133.5	135.4	145.3	147.9	148.7
Iron castings	147.8	144.3	128.5	164.3	117.6	150.7	166.8	129.6
Primary iron and steel	162.1	174.0	189.3	194.2	176.5	205.4	214.9	194.5
Sheet metal products	143.5	141.0	139.7	147.6	152.2	153.8	166.9	172.8
Transportation equipment	130.0	129.8	139.5	146.6	111.9	181.1	181.8	143.9
Aircraft and parts	238.4	269.5	266.8	267.3	262.4	262.9	262.9	257.5
Motor vehicles	159.0	157.3	187.3	198.1	111.4	265.4	266.9	175.9
Motor vehicle parts	121.1	121.3	122.5	123.3	119.7	150.3	146.3	135.9
Railway rolling stock	51.2	42.9	41.4	41.9	44.0	41.9	42.2	43.0
Shipbuilding and repairs	143.2	145.2	124.5	154.2	153.4	191.8	198.9	197.2

TABLE II. (Cont'd.) Industrial Production Indexes
(1949=100)

WITHOUT SEASONAL ADJUSTMENT

Industry or Industry Group	Annual Average		1961			1962		
	1960	1961	May	June	July	May	June	July
Non-ferrous metal products	148.3	147.6	149.5	146.9	137.3	153.0	148.6	146.7
Brass and copper products	115.2	122.2	118.3	121.8	124.4	128.0	128.4	128.2
Smelting and refining	168.7	165.6	171.1	165.5	149.9	171.1	163.3	160.3
Electrical apparatus and supplies	180.2	182.6	166.6	179.8	172.7	204.7	218.8	202.9
Heavy electrical machinery	135.3	132.0	127.5	131.7	134.3	146.2	152.0	155.1
Telecommunication equipment	398.6	428.9	339.4	392.2	356.5	490.9	546.0	438.2
Refrigerators and appliances	176.6	171.3	166.8	189.5	155.9	193.7	217.4	172.0
Non-metallic mineral products	210.9	220.2	234.0	257.7	249.5	253.1	283.8	281.2
Concrete products	511.9	574.1	666.7	743.0	690.5	742.9	839.1	849.9
Hydraulic cement	203.8	214.6	263.7	307.2	278.8	268.3	334.1	314.8
Domestic clay products	152.8	146.2	150.3	171.8	170.0	151.4		
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	309.8	295.5	273.8	331.2	311.7	286.3
Electric power	287.4	298.5	292.6	287.7	272.7	316.0	303.0	280.8
Gas	392.7	490.6	463.8	365.9	283.7	467.1	389.6	335.9

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DOMINION BUREAU OF STATISTICS

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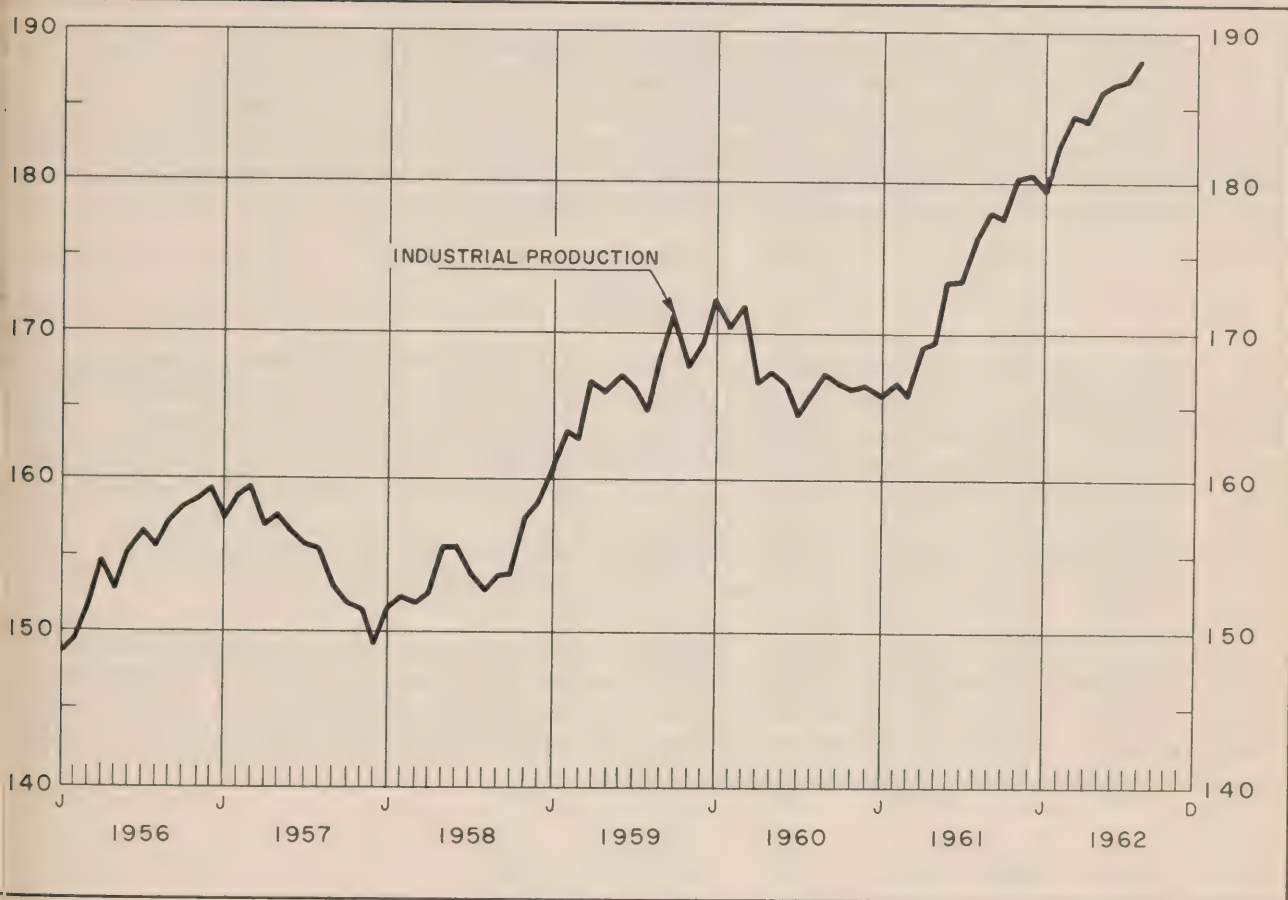
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INDEX OF INDUSTRIAL PRODUCTION

(1949=100)

Canada's index of industrial production was
up by almost 1% in August.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

October, 1962
205-502

Canada's seasonally adjusted index of industrial production advanced almost 1% in August to 188.2, the result of substantial gains in both mining and electric power and gas utilities. Manufacturing output was lower by one half of one percent during the month.

The decline of 1.5% in non-durable output was concentrated in textiles and foods and beverages although rubber products, chemicals and leather products were also lower. Small gains were recorded in paper products, printing and publishing and miscellaneous manufactures.

During August, durables manufacture gained slightly more than one half of one percent, with the largest contribution being a 2% gain in iron and steel products, in turn due for the most part to strength in the primary iron and steel industry. Non-ferrous metal products and electrical apparatus and supplies were higher by 1% and 3% respectively. Transportation equipment was lower by about 1%, reflecting slight declines in the motor vehicle industries. With a decline in the veneer and plywood industry, wood products was off by almost 2%.

Although the bulk of the major mineral industries were higher in August more than two-thirds of the strength in mining output was confined to the crude petroleum industry, which raised the total fuels index by more than 9%. With strong advances in the gold, copper, iron ore, nickel and zinc industries being only slightly offset by declines in lead and 'other' metals (including uranium), metal mining was up by almost 4%. Asbestos output was also higher during the month.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, and the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			Mar.	Apr.	May	June	July	Aug.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	184.3	184.1	186.0	186.6	186.7	188.2
MINING, TOTAL	10.07	2	287.4	287.3	288.1	278.9	277.4	294.7
Metals	5.97	2	196.0	202.2	207.1	200.2	194.0	201.4
Gold	1.93	5	102.8	106.3	98.8	97.5	97.8	100.2
Copper	1.10	4	171.5	167.3	173.7	177.6	179.8	198.1
Iron ore	0.31	4	587.5	730.7	749.1	651.8	605.4	651.2
Nickel	1.05	4	201.3	181.0	190.7	171.4	175.9	183.5
Non-metals	0.85	5	223.3	226.1	222.4	223.8	227.5	239.0
Asbestos	0.59	4	238.2	237.6	238.9	237.3	238.9	256.4
Fuels	2.84	3	487.6	473.7	462.7	450.1	455.5	497.4
Coal	1.72	6	58.6	40.3	51.3	56.4	53.6	53.3
Natural gas	0.11	2	894.9	982.3	1017.9	1075.4	1210.1	1175.1
Petroleum	1.02	3	1168.4	1151.0	1097.9	1047.7	1053.1	1174.6
MANUFACTURING, TOTAL	84.83	2	163.0	162.8	164.5	166.6	166.7	165.8
NON-DURABLE MANUFACTURES	45.74	2	166.0	164.7	165.5	167.6	166.6	164.1
Foods and beverages	11.83	4	166.8	162.3	163.2	168.2	160.8	156.4
Foods	8.99	4	161.6	158.1	159.8	161.2	156.5	153.8
Meat products	1.62	4	168.5	155.5	156.9	164.3	152.7	158.2
Dairy products	1.40	3	161.3	165.0	152.9	159.6	156.9	156.9
Canning and processing	1.40	4	176.7	175.4	191.7	172.7	190.6	161.1
Grain mill products	1.00	4	140.5	129.4	133.7	146.5	142.0	134.3
Bakery products	1.73	3	150.9	158.7	160.3	163.0	153.9	153.2
Miscellaneous foods	1.83	4	165.7	156.7	157.1	157.1	143.8	152.9
Beverages	2.85	6	183.0	175.6	173.6	190.5	174.5	164.8
Carbonated beverages	0.72	5	189.3	172.2	180.8	198.9	167.8	162.2
Breweries	1.44	6	149.2	161.9	160.0	162.7	165.4	147.2
Distilleries	0.63	6	258.1	215.7	199.0	248.3		
Tobacco and tobacco products ..	0.77	6	209.4	195.4	205.3	209.6	204.5	202.9
Rubber products	1.33	3	156.0	161.7	168.1	173.4	172.0	160.8
Leather products	1.58	2	128.3	124.9	125.0	131.0	129.6	125.2
Boots and shoes	0.95	3	138.1	135.1	136.8	144.9	143.1	138.3
Textiles	5.04	3	140.1	138.9	146.9	147.6	155.2	144.2
Cotton goods	1.57	4	108.4	109.2	106.8	99.5	109.5	103.3
Wool goods	0.93	3	72.8	90.0	88.7	94.5	98.1	83.1
Synthetic Textiles and Silk ..	1.33	3	231.9	213.4	246.1	250.5	261.5	235.4
Clothing	5.59	3	109.9	109.6	110.0	111.5	111.2	111.2
Men's, women's and children's clothing	3.45	3	114.6	113.4	112.2	112.8	113.3	112.9
Knitting mills	1.22	2	96.9	98.7	102.7	108.8	106.8	107.9

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			Mar.	Apr.	May	June	July	Aug.
Paper products	8.22	3	161.4	158.8	156.6	160.0	159.2	161.0
Pulp and paper	6.54	3	158.7	156.9	155.8	159.0	157.9	160.7
Printing publishing and allied industries	3.95	4	152.7	154.8	156.9	153.2	155.0	156.4
Products of petroleum and coal	1.59	3	259.4	273.8	267.7	250.5	251.4	256.6
Petroleum products	1.41	3	279.9	296.2	289.1	268.5	269.3	
Chemicals and allied products	4.22	2	238.0	237.1	234.9	237.4	239.1	235.0
Acids, alkalies, salts and fertilizers	1.07	2	263.8	267.8	273.9	272.8	274.4	274.8
Miscellaneous manufactures	1.62	1	234.3	235.0	235.6	239.4	242.0	245.0
DURABLE MANUFACTURES	39.09	2	159.6	160.7	163.2	165.5	166.8	167.8
Wood products	6.54	2	150.6	150.3	146.3	148.6	153.0	150.6
Saw and planing mills	4.48	3	159.5	159.3	153.4	156.6	162.9	159.3
Veneers and plywoods	0.38	3	310.5	315.2	300.5	319.5	404.5	333.8
Sawmills	3.08	4	149.5	149.0	142.7	144.2	142.0	145.0
Furniture	1.43	1	152.0	152.3	152.8	153.6	154.1	154.7
Iron and steel products	12.49	2	145.0	146.2	150.3	154.3	155.4	158.2
Machinery	2.64	1	142.9	143.3	144.3	145.9	145.7	147.5
Iron castings	1.20	3	130.0	139.9	140.8	153.0	157.9	152.3
Primary iron and steel	2.62	3	174.0	181.3	197.5	202.7	200.5	213.3
Sheet metal products	1.11	1	153.9	153.3	154.7	159.6	162.9	164.6
Transportation equipment	8.23	4	143.2	144.8	152.3	154.1	155.2	154.1
Aircraft and parts	0.63	1	273.2	265.0	261.6	266.3	259.4	258.6
Motor vehicles	3.21	4	179.3	184.2	202.6	203.7	209.4	208.0
Motor vehicle parts	1.43	1	131.7	138.1	139.2	135.6	132.0	130.0
Railway rolling stock	1.93	1	42.9	41.9	41.1	40.8	40.3	40.4
Shipbuilding and repairs	0.81	1	175.1	169.3	174.4	189.4	189.1	187.1
Non-ferrous metal products	4.97	3	150.1	147.1	154.3	146.8	150.5	152.0
Brass and copper products ...	0.75	1	127.2	128.4	128.5	128.2	127.1	128.7
Smelting and refining	3.19	3	166.3	161.5	172.0	160.1	165.4	167.4
Electrical apparatus and supplies	4.40	2	215.4	217.7	212.0	219.6	214.3	219.6
Heavy electrical machinery ..	1.52	1	146.2	146.9	148.4	151.2	152.9	152.1
Telecommunication equipment	0.44	2	603.8	612.7	539.5	574.8	541.5	530.0
Refrigerators and appliances	0.71	3	179.5	183.7	189.2	203.2	180.2	214.6
Non-metallic mineral products	2.46	2	230.8	240.4	241.1	246.6	247.5	247.8
Concrete products	0.30	4	585.7	654.9	653.4	645.0	653.8	696.4
Hydraulic cement	0.36	4	247.7	231.7	239.6	253.3	241.5	227.8
Domestic clay products	0.24	3	139.3	141.2	141.5	153.4		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	335.2	333.9	341.7	337.6	340.5	350.4
Electric power	4.60	2	313.7	313.4	321.8	313.0	308.6	317.4
Gas	0.51	3	528.5	518.1	520.2	558.2	626.7	646.1

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	June	July	Aug.	June	July	Aug.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	179.8	168.7	172.4	194.9	182.3	182.6
MINING, TOTAL	253.3	266.9	274.1	275.7	276.6	291.1	292.9	297.4
Metals	197.9	191.7	201.6	206.9	198.0	213.7	212.3	214.7
Gold	111.2	107.1	106.7	103.9	100.6	97.5	98.1	96.1
Copper	168.7	170.4	182.9	170.8	170.1	189.7	182.7	198.1
Iron ore	406.3	504.7	625.3	890.9	738.5	925.6	920.2	911.7
Nickel	166.9	183.8	185.2	187.5	184.6	177.9	174.5	183.9
Non-metals	192.6	211.7	226.5	192.7	215.2	236.2	209.6	233.9
Asbestos	201.4	223.4	237.6	197.6	221.8	244.2	212.6	245.6
Fuels	380.2	430.7	417.4	423.2	428.0	432.5	458.7	461.3
Coal	53.3	49.9	46.3	41.3	26.1	44.2	45.8	30.5
Natural gas	589.2	712.0	557.9	521.8	553.9	849.6	828.9	857.8
Petroleum	909.9	1,043.7	1029.1	1057.8	1093.4	1043.5	1116.3	1146.4
MANUFACTURING, TOTAL	149.3	153.0	161.6	149.7	153.4	176.4	162.9	161.8
DURABLE MANUFACTURES	151.8	157.0	163.2	153.7	161.3	173.2	161.9	166.5
Food and beverages	150.2	154.2	167.6	172.7	172.4	179.6	177.9	175.1
Food	147.1	151.2	161.5	168.7	168.1	167.3	172.7	173.2
Meat products	156.5	158.1	155.1	155.3	153.6	154.4	145.5	150.6
Dairy products	152.8	158.3	204.0	189.1	179.2	206.8	186.2	177.5
Canning and processing	149.5	153.8	158.7	258.4	257.3	164.1	283.1	283.1
Grain mill products	132.5	138.3	140.5	141.2	141.0	146.3	138.2	132.6
Bakery products	144.1	149.2	160.0	156.6	153.0	168.6	162.5	158.9
Miscellaneous foods	142.9	146.4	149.7	122.9	133.2	161.4	130.6	141.4
Beverages	160.2	163.6	187.0	185.1	185.9	218.3	194.4	181.0
Carbonated beverages	158.7	165.6	194.6	235.1	225.8	224.0	221.6	210.4
Breweries	146.4	147.6	180.0	177.7	161.4	203.4	196.0	156.2
Distilleries	194.8	200.1	201.1	152.4	204.0	256.0		
Tobacco and tobacco products	182.0	193.6	231.3	148.9	197.3	236.9	157.5	201.7
Rubber products	143.3	145.7	161.7	132.4	117.1	192.5	147.9	125.9
Leather products	111.8	123.8	125.6	91.3	125.6	129.3	93.6	128.6
Boots and shoes	123.7	134.3	135.9	95.2	138.5	143.3	96.9	142.4
Textiles	122.5	134.6	142.4	108.8	128.9	154.2	119.1	134.0
Cotton goods	89.6	98.8	98.1	68.0	95.2	99.9	72.3	93.0
Wool goods	78.5	80.3	94.6	67.0	76.0	97.3	73.3	83.1
Synthetic textiles and silk	187.6	219.5	239.3	169.2	207.0	272.8	188.8	211.9
Clothing	107.9	107.1	101.4	102.4	107.1	105.1	105.4	111.4
Men's, women's and children's clothing	109.4	110.3	101.7	105.2	109.8	105.4	109.7	114.6
Knitting mills	103.1	101.0	95.6	89.5	97.2	102.3	89.5	103.2

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	June	July	Aug.	June	July	Aug.
Paper products	148.4	153.4	157.5	152.2	156.3	163.4	157.1	162.3
Pulp and paper	148.2	153.1	154.6	148.6	152.6	161.4	153.0	159.7
Printing publishing and allied industries	146.5	148.2	143.3	138.8	141.3	154.0	147.6	147.9
Products of petroleum and coal	250.6	258.8	262.3	232.3	282.8	254.8	254.2	261.2
Petroleum products	269.8	279.0	282.0	248.2	305.7	273.3	272.8	
Chemicals and allied products	219.7	222.1	234.7	217.9	222.3	249.5	232.2	234.3
Acids, alkalies, salts and fertilizers	260.8	257.2	268.8	257.5	254.3	282.9	274.4	274.3
Miscellaneous manufactures	191.6	213.0	207.5	211.3	217.3	235.3	238.9	244.8
DURABLE MANUFACTURES	146.4	148.4	159.8	145.0	144.2	180.1	164.0	156.4
Wood products	136.0	139.6	156.8	150.3	151.5	168.5	158.9	162.5
Saw and planing mills	141.2	146.2	172.0	161.4	161.6	185.9	170.7	174.1
Veneers and plywoods	267.1	295.4	327.9	267.3	318.5	341.9	312.7	293.7
Sawmills	132.7	134.1	164.7	153.7	146.7	181.8	160.5	166.8
Furniture	141.3	143.6	141.1	144.1	150.2	150.5	153.6	160.4
Iron and steel products	137.3	139.4	149.0	136.7	147.8	163.2	150.7	158.6
Machinery	135.1	133.4	133.5	135.4	136.7	147.9	148.5	149.4
Iron castings	147.8	144.3	164.3	117.6	166.4	166.8	129.5	134.0
Primary iron and steel	162.1	174.0	194.2	176.5	186.7	214.9	194.5	206.9
Sheet metal products	143.5	141.0	147.6	152.2	152.4	167.3	175.8	178.3
Transportation equipment	130.0	129.8	146.6	111.9	80.7	181.8	141.5	78.9
Aircraft and parts	238.4	269.5	267.3	262.4	258.7	263.1	256.8	251.4
Motor vehicles	159.0	157.3	198.1	111.4	31.7	266.9	175.9	26.0
Motor vehicle parts	121.1	121.3	123.3	119.7	120.2	146.4	124.1	109.2
Railway rolling stock	51.2	42.9	41.9	44.0	45.0	42.2	42.2	41.2
Shipbuilding and repairs	143.2	145.2	154.2	153.4	152.5	198.9	195.7	187.1
Non-ferrous metal products	148.3	147.6	146.9	137.3	140.6	148.7	147.2	150.6
Brass and copper products ...	115.2	122.2	121.8	124.4	127.0	128.6	128.4	130.9
Smelting and refining	168.7	165.6	165.5	149.9	153.5	163.3	160.4	164.1
Electrical apparatus and supplies	180.2	182.6	179.8	172.7	182.4	218.6	202.9	218.5
Heavy electrical machinery ..	135.3	132.0	131.7	134.3	135.7	152.0	155.0	152.9
Telecommunication equipment	398.6	428.9	392.2	356.5	428.4	547.2	440.8	561.8
Refrigerators and appliances	176.6	171.3	189.5	155.9	152.8	217.4	171.2	182.4
Non-metallic mineral products	210.9	220.2	257.7	249.5	257.3	285.5	284.4	288.2
Concrete products	511.9	574.1	743.0	690.5	741.9	839.1	849.9	899.0
Hydraulic cement	203.8	214.6	307.2	278.8	285.9	339.4	318.8	306.1
Domestic clay products	152.8	146.2	171.8	170.0	165.9	171.8		
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	295.5	273.8	281.9	311.7	286.3	301.8
Electric power	287.4	298.5	287.7	272.7	280.6	303.0	290.8	296.1
Gas	392.7	490.6	365.9	283.7	293.6	389.6	335.9	353.4

CATALOGUE No.

61-005

Monthly

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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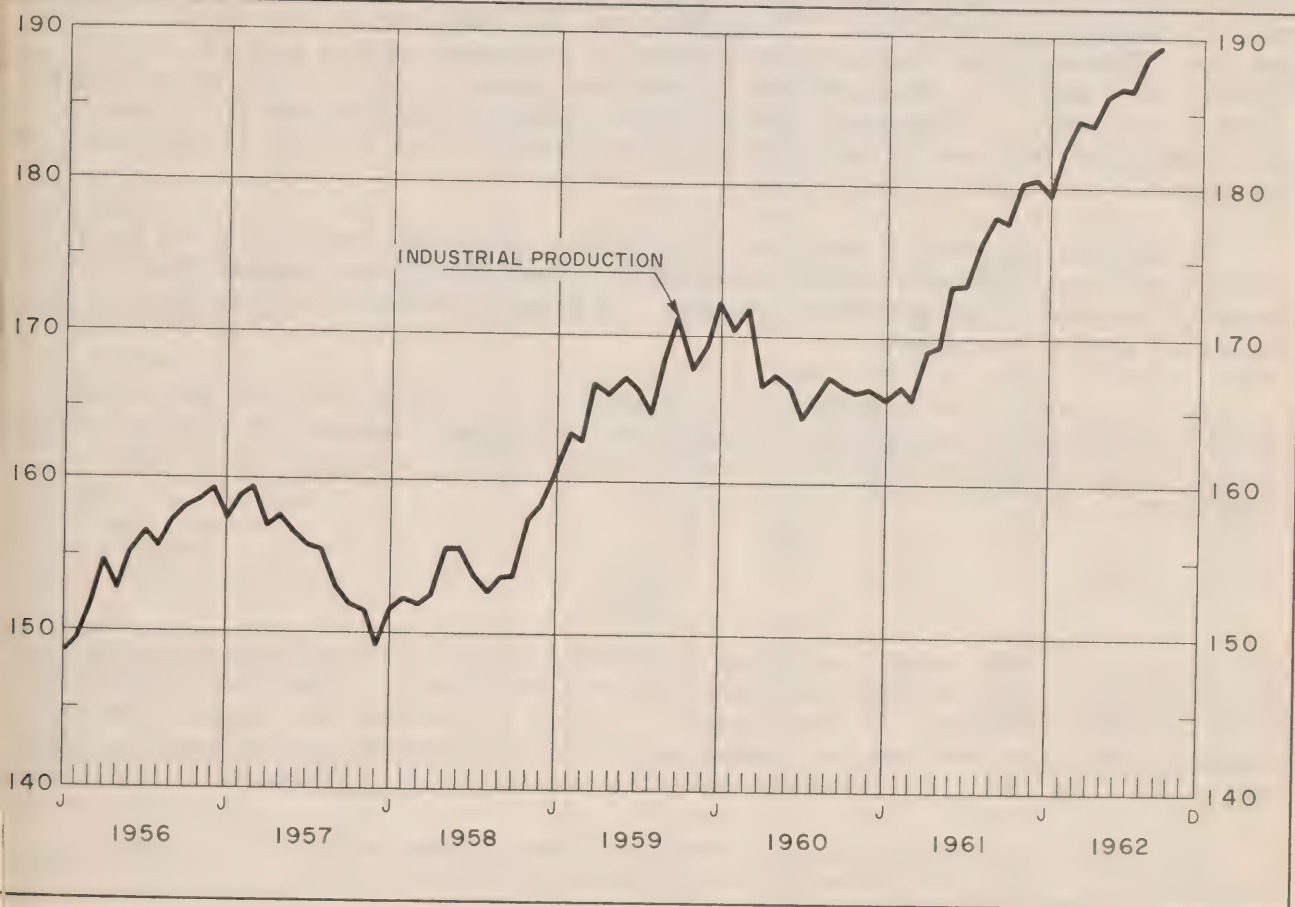
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September, 1962.

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

September.

Canada's index of industrial production was
up by 0.3% in September.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

September, 1962
61-502.

The seasonally adjusted index of industrial production was up by 0.3% in September to 189.3 from the revised August level of 188.7. With a slight advance in mining and a 3% decline in electric power and gas utilities, the strength in the total index was due to an increase of almost 1% in manufacturing.

Non-durable manufacturing was up by 0.3% in September, the result of gains in foods and beverages, rubber products, textiles and paper products. With the exception of about 3% declines in petroleum products and chemicals, the latter strike-affected, drops were relatively small elsewhere in leather products, clothing and printing and publishing.

The 1.4% increase in durable manufacturing output was largely concentrated in wood products and transportation equipment, the former due to strength in both the veneer and plywood and the sawmilling industries, the latter reflecting substantially increased motor vehicles output. To date, this year, the motor vehicle industry is more than 30% higher than the same period last year. Iron and steel products was virtually unchanged in September with a decline in primary iron and steel being offset by smaller gains in most of the other steel-using industries. Elsewhere, non-metallic mineral products was off 3% while 1% losses were recorded in non-ferrous metal products and electrical apparatus supplies.

Within mining, metals declined by 2% with all metals lower with the exception of gold and miscellaneous metals (uranium). Fuel mining was higher due to somewhat increased crude petroleum output. A drop in asbestos output lowered the non-metal mining component.

In a comparison of the first nine months of 1962 with the same period of 1961, the following percentage increases are indicated; industrial production (8.5), mining (9.3), manufacturing (8.5), non-durables (5.8), durables (11.8) and utilities (7.3).

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 proportion	MCD	Seasonally adjusted					
			1962					
			Apr.	May	June	July	Aug.	Sept.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	184.1	186.0	186.6	186.3	188.7	189.3
MINING, TOTAL	10.07	2	287.3	288.1	278.9	278.5	297.5	297.6
Metals	5.97	2	202.2	207.1	200.2	194.0	201.5	197.3
Gold	1.93	5	106.3	98.8	97.5	97.8	100.2	104.4
Copper	1.10	4	167.3	173.7	177.6	179.8	198.4	190.1
Iron ore	0.31	4	730.7	749.1	651.8	605.4	651.2	570.9
Nickel	1.05	4	181.0	190.7	171.4	175.9	183.5	179.6
Non-metals	0.85	5	226.1	222.4	223.8	227.5	234.5	222.6
Asbestos	0.59	4	237.6	238.9	237.3	238.9	250.6	226.9
Fuels	2.84	3	473.7	462.7	450.1	455.5	503.4	515.7
Coal	1.72	6	40.3	51.3	56.4	53.6	53.3	45.8
Natural gas	0.11	2	982.3	1017.9	1075.4	1210.1	1186.7	1183.3
Petroleum	1.02	3	1151.0	1097.9	1047.7	1053.1	1190.2	1237.7
MANUFACTURING, TOTAL	84.83	2	162.8	164.5	166.6	166.1	166.1	167.4
NON-DURABLE MANUFACTURES	45.74	2	164.7	165.5	167.6	165.7	164.7	165.2
Foods and beverages	11.83	4	162.3	163.2	168.2	157.5	159.5	160.2
Foods	8.99	4	158.1	159.8	161.2	157.0	156.2	156.2
Meat products	1.62	4	155.5	156.9	164.3	152.7	158.2	156.7
Dairy products	1.40	3	165.0	152.9	159.6	156.9	157.1	164.6
Canning and processing	1.40	4	175.4	191.7	172.7	193.1	173.5	169.0
Grain mill products	1.00	4	129.4	133.7	146.5	142.0	135.2	138.1
Bakery products	1.73	3	158.7	160.3	163.0	153.8	154.3	156.2
Miscellaneous foods	1.83	4	156.7	157.1	157.1	144.4	153.7	149.6
Beverages	2.85	6	175.6	173.6	190.5	159.0	170.0	172.9
Carbonated beverages	0.72	5	172.2	180.8	198.9	167.8	162.2	192.5
Breweries	1.44	6	161.9	160.0	162.7	165.4	147.2	150.6
Distilleries	0.63	6	215.7	199.0	248.3	135.4	232.7	205.2
Tobacco and tobacco products ..	0.77	6	195.4	205.3	209.6	204.5	202.9	202.4
Rubber products	1.33	3	161.7	168.1	173.4	172.0	160.8	181.9
Leather products	1.58	2	124.9	125.0	131.0	129.6	124.9	123.1
Boots and shoes	0.95	3	135.1	136.8	144.9	143.1	138.3	135.1
Textiles	5.04	3	138.9	146.9	147.6	155.2	143.5	149.3
Cotton goods	1.57	4	109.2	106.8	99.5	109.5	103.3	102.1
Wool goods	0.93	3	90.0	88.7	94.5	98.1	83.1	94.2
Synthetic Textiles and Silk	1.33	3	213.4	246.1	250.5	261.5	235.4	252.4
Clothing	5.59	3	109.6	110.0	111.5	111.4	109.9	108.8
Men's, women's and children's clothing	3.45	3	113.4	112.2	112.8	113.4	111.9	110.7
Knitting mills	1.22	2	98.7	102.7	108.8	106.9	105.3	103.9

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted						
			1962						
			Apr.	May	June	July	Aug.	Sept.	
Paper products	8.22	3	158.8	156.6	160.0	159.1	160.6	162.7	
Pulp and paper	6.54	3	156.9	155.8	159.0	157.0	160.7	163.9	
Printing publishing and allied industries	3.95	4	154.8	156.9	153.2	155.0	156.1	152.5	
Products of petroleum and coal	1.59	3	273.8	267.7	250.5	251.4	273.8	265.3	
Petroleum products	1.41	3	296.2	289.1	268.5	269.3	294.4		
Chemicals and allied products	4.22	2	237.1	234.9	237.4	239.1	231.0	224.3	
Acids, alkalis, salts and fertilizers	1.07	2	267.8	273.9	272.8	274.9	258.1	235.8	
Miscellaneous manufactures	1.62	1	235.0	235.6	239.4	242.0	243.6	244.8	
DURABLE MANUFACTURES	39.09	2	160.7	163.2	165.5	166.7	167.7	170.0	
Wood products	6.54	2	150.3	146.3	148.6	152.9	149.5	157.1	
Saw and planing mills	4.48	3	159.3	153.4	156.6	162.9	158.7	170.2	
Veneers and plywoods	0.38	3	315.2	300.5	319.5	404.5	333.8	360.7	
Sawmills	3.08	4	149.0	142.7	144.2	142.0	145.0	158.8	
Furniture	1.43	1	152.3	152.8	153.6	153.9	151.6	149.8	
Iron and steel products	12.49	2	146.2	150.3	154.3	155.3	157.8	157.9	
Machinery	2.64	1	143.3	144.3	145.9	145.1	149.5	155.0	
Iron castings	1.20	3	139.9	140.8	153.0	157.9	154.8	158.4	
Primary iron and steel	2.62	3	181.3	197.5	202.7	200.5	213.3	198.3	
Sheet metal products	1.11	1	153.3	154.7	159.6	162.7	166.3	166.9	
Transportation equipment	8.23	4	144.8	152.3	154.1	155.1	157.5	167.1	
Aircraft and parts	0.63	1	265.0	261.6	266.3	259.2	261.7	265.6	
Motor vehicles	3.21	4	184.2	202.6	203.7	209.4	208.0	227.4	
Motor vehicle parts	1.43	1	138.1	139.2	135.6	132.0	145.2	149.4	
Railway rolling stock	1.93	1	41.9	41.1	40.8	40.3	40.5	41.1	
Shipbuilding and repairs	0.81	1	169.3	174.4	189.4	188.7	192.9	200.6	
Non-ferrous metal products	4.97	3	147.1	154.3	146.8	150.6	150.1	148.2	
Brass and copper products ...	0.75	1	128.4	128.5	128.2	127.5	128.0	129.5	
Smelting and refining	3.19	3	161.5	172.0	160.1	165.4	165.2	161.4	
Electrical apparatus and supplies	4.40	2	217.7	212.0	219.6	214.3	219.1	217.4	
Heavy electrical machinery ..	1.52	1	146.9	148.4	151.2	152.9	154.7	155.8	
Telecommunication equipment	0.44	2	612.7	539.5	574.8	541.5	526.6	505.5	
Refrigerators and appliances	0.71	3	183.7	189.2	203.2	180.2	215.4	213.9	
Non-metallic mineral products	2.46	2	240.4	241.1	246.6	247.4	243.1	235.6	
Concrete products	0.30	4	654.9	653.4	645.0	653.8	696.4	615.4	
Hydraulic cement	0.36	4	231.7	239.6	253.3	241.5	227.8	249.0	
Domestic clay products	0.24	3	141.2	141.5	153.4				
ELECTRIC POWER AND GAS UTILITIES	5.11	2	333.9	341.7	337.6	340.5	350.4	339.3	
Electric power	4.60	2	313.4	321.8	313.0	308.6	317.4	304.8	
Gas	0.51	3	518.1	520.2	558.2	626.7	646.1	649.1	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	July	Aug.	Sept.	July	Aug.	Sept.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	168.7	172.4	182.4	182.1	183.3	194.1
MINING, TOTAL	253.3	266.9	275.7	276.6	293.0	294.3	300.9	309.2
Metals	197.9	191.7	206.9	198.0	209.7	212.3	214.7	211.2
Gold	111.2	107.1	103.9	100.6	100.7	98.1	96.1	100.6
Copper	168.7	170.4	170.8	170.1	171.8	182.7	198.4	191.8
Iron ore	406.3	504.7	890.9	738.5	772.7	920.2	911.7	856.3
Nickel	166.9	183.8	187.5	184.6	200.7	174.5	183.9	182.8
Non-metals	192.6	211.7	192.7	215.2	229.7	209.8	234.0	238.6
Asbestos	201.4	223.4	197.6	221.8	235.0	212.6	245.6	242.8
Fuels	380.2	430.7	423.2	428.0	457.2	458.7	467.1	502.6
Coal	53.3	49.9	41.3	26.1	52.8	45.8	30.5	48.1
Natural gas	589.2	712.0	521.8	553.9	601.8	828.9	866.3	944.3
Petroleum	909.9	1,043.7	1057.8	1093.4	1124.8	1116.3	1161.6	1222.8
MANUFACTURING, TOTAL	149.3	153.0	149.7	153.4	162.3	162.5	162.2	173.6
NON-DURABLE MANUFACTURES	151.8	157.0	153.7	161.3	168.0	161.2	167.5	175.0
Foods and beverages	150.2	154.2	172.7	172.4	174.4	175.3	179.0	182.3
Foods	147.1	151.2	168.7	168.1	171.7	173.2	176.7	181.1
Meat products	156.5	158.1	155.3	153.6	168.9	145.5	150.6	160.6
Dairy products	152.8	158.3	189.1	179.2	174.4	186.2	177.7	180.1
Canning and processing	149.5	153.8	258.4	257.3	251.8	285.8	302.7	296.3
Grain mill products	132.5	138.3	141.2	141.0	139.1	133.2	133.5	141.8
Bakery products	144.1	149.2	156.6	153.0	152.5	162.3	160.0	160.5
Miscellaneous foods	142.9	146.4	122.9	133.2	146.8	131.1	142.0	152.5
Beverages	160.2	163.6	185.1	185.9	182.8	181.8	186.2	186.1
Carbonated beverages	158.7	165.6	235.1	225.8	187.8	221.6	210.4	200.2
Breweries	146.4	147.6	177.7	161.4	145.0	196.0	156.2	146.1
Distilleries	194.8	200.1	152.4	204.0	253.0	110.6	232.9	250.4
Tobacco and tobacco products	182.0	193.6	148.9	197.3	204.7	157.5	201.7	216.2
Rubber products	143.3	145.7	132.4	117.1	164.1	147.9	125.9	196.1
Leather products	111.8	123.8	91.3	125.6	133.0	93.6	128.2	129.6
Boots and shoes	123.7	134.3	95.2	138.5	143.6	96.9	142.4	142.5
Textiles	122.5	134.6	108.8	128.9	144.5	119.1	133.4	153.5
Cotton goods	89.6	98.8	68.0	95.2	107.6	72.3	93.0	110.3
Wool goods	78.5	80.3	67.0	76.0	90.6	73.3	83.1	99.8
Synthetic textiles and silk	187.6	219.5	169.2	207.0	236.9	183.8	211.9	253.9
Clothing	107.9	107.1	102.4	107.1	114.0	105.3	110.2	115.2
Men's, women's and children's clothing	109.4	110.3	105.2	109.8	116.7	109.8	113.6	118.4
Knitting mills	103.1	101.0	89.5	97.2	107.2	89.6	100.7	108.4

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	July	Aug.	Sept.	July	Aug.	Sept.
Paper products	148.4	153.4	152.2	156.3	155.9	157.0	161.9	164.4
Pulp and paper	148.2	153.1	148.6	152.6	154.7	153.0	159.7	163.9
Printing publishing and allied industries	146.5	148.2	138.8	141.3	153.3	147.6	147.5	154.9
Products of petroleum and coal	250.6	258.8	232.3	282.8	281.3	254.2	285.2	274.6
Petroleum products	269.8	279.0	248.2	305.7	303.8	272.8	307.6	
Chemicals and allied products	219.7	222.1	217.9	222.3	229.3	232.2	229.6	234.5
Acids, alkalies, salts and fertilizers	260.8	257.2	257.5	254.3	254.1	274.9	257.6	238.2
Miscellaneous manufactures	191.6	213.0	211.3	217.3	227.8	238.9	243.4	252.1
DURABLE MANUFACTURES	146.4	148.4	145.0	144.2	155.6	164.0	156.1	171.8
Wood products	136.0	139.6	150.3	151.5	152.3	158.8	161.4	166.8
Saw and planing mills	141.2	146.2	161.4	161.6	160.8	170.6	173.5	180.1
Veneers and plywoods	267.1	295.4	267.3	318.5	330.1	312.7	293.7	359.6
Sawmills	132.7	134.1	153.7	146.7	143.9	160.5	166.8	169.1
Furniture	141.3	143.6	144.1	150.2	156.2	153.4	157.2	160.8
Iron and steel products	137.3	139.4	136.7	147.8	152.6	150.7	158.2	164.8
Machinery	135.1	133.4	135.4	136.7	138.5	147.9	151.4	156.8
Iron castings	147.8	144.3	117.6	166.4	170.8	129.5	136.2	163.8
Primary iron and steel	162.1	174.0	176.5	186.7	191.4	194.5	206.9	200.7
Sheet metal products	143.5	141.0	152.2	152.4	153.1	175.5	180.1	182.6
Transportation equipment	130.0	129.8	111.9	80.7	111.4	141.5	81.9	137.4
Aircraft and parts	238.4	269.5	262.4	258.7	263.1	256.6	254.4	261.8
Motor vehicles	159.0	157.3	111.4	31.7	108.0	175.9	26.0	159.4
Motor vehicle parts	121.1	121.3	119.7	120.2	121.8	124.1	122.0	138.8
Railway rolling stock	51.2	42.9	44.0	45.0	44.0	42.2	41.3	40.7
Shipbuilding and repairs	143.2	145.2	153.4	152.5	157.6	195.3	192.9	197.4
Non-ferrous metal products	148.3	147.6	137.3	140.6	146.9	147.4	148.6	149.7
Brass and copper products ...	115.2	122.2	124.4	127.0	131.2	128.8	130.2	132.1
Smelting and refining	168.7	165.6	149.9	153.5	150.6	160.4	161.9	160.7
Electrical apparatus and supplies	180.2	182.6	172.7	182.4	204.0	203.0	217.9	232.1
Heavy electrical machinery ..	135.3	132.0	134.3	135.7	138.5	155.0	155.5	160.7
Telecommunication equipment	398.6	428.9	356.5	428.4	532.0	440.8	558.2	603.1
Refrigerators and appliances	176.6	171.3	155.9	152.8	139.6	171.2	133.1	216.1
Non-metallic mineral products	210.9	220.2	249.5	257.3	257.5	284.4	283.6	271.1
Concrete products	511.9	574.1	690.5	741.9	735.3	849.9	899.0	793.1
Hydraulic cement	203.8	214.6	278.8	235.9	286.1	313.8	306.1	324.1
Domestic clay products	152.8	146.2	170.0	165.9	175.9			
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	273.8	281.9	298.4	286.3	301.8	308.1
Electric power	287.4	298.5	272.7	280.6	294.3	280.8	296.1	297.1
Gas	392.7	490.6	283.7	293.6	334.9	335.9	353.4	401.1

CATALOGUE No.

61-005

Monthly

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Honourable George Hees, Minister of Trade and Commerce

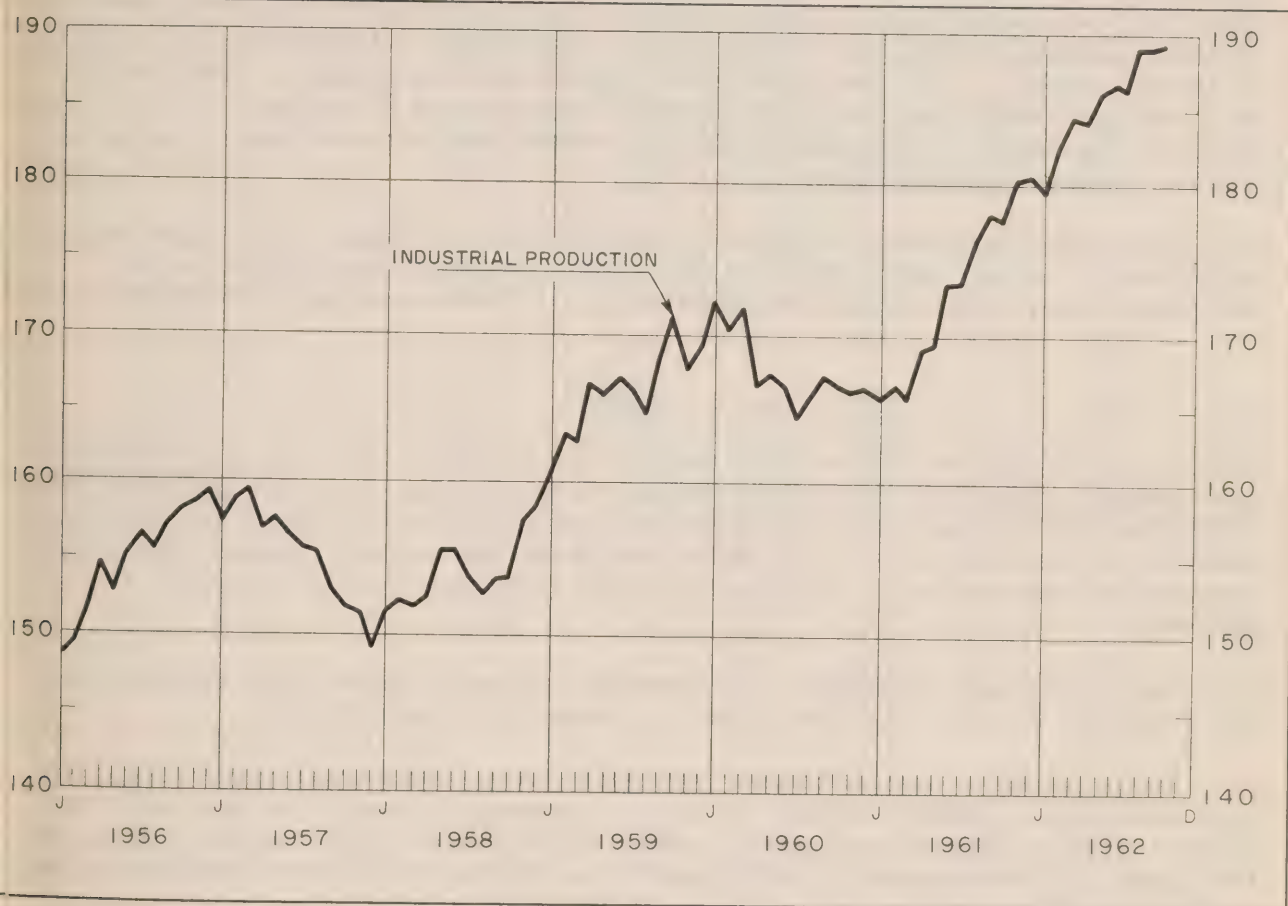
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

October, 1962

Canada's index of industrial production
was virtually unchanged in October.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

December, 1962
205-502.

The seasonally adjusted index of industrial production was virtually unchanged in October, with only marginal changes in each of the three main divisions - manufacturing (-0.2%), mining (+0.8%), and electric power and gas utilities (+0.4%). With the total index at a level of 189.3 in October, the advance since the last cyclical trough in January 1961 has amounted to more than 14%.

The slight decline in manufacturing was the result of a drop of one-half of one percent in non-durables along with a marginal gain in durables output. The most noteworthy movements in non-durables occurred in foods and beverages which was off by 4%, and printing and publishing and petroleum products which were up by 4% and 7% respectively. Elsewhere changes were relatively small with gains in tobacco products, clothing and chemicals and losses in rubber and paper products.

In durables, transportation equipment increased a further 1% in October, again prompted by higher motor vehicles output. The latter industry is presently running at levels which are higher by about 35% than a year ago. Elsewhere, electrical apparatus and supplies and non-metallic mineral products were up by 5% and 6% respectively, the former due to considerably higher telecommunication equipment output. On the other hand, losses were recorded in wood products and iron and steel, the latter reflecting lower output of primary iron and steel and iron castings. Non-ferrous metal products was also off by 3% due to a decline in smelting and refining.

The mining gain was solely due to substantially higher crude petroleum output which raised total fuels by 6%. With losses in every major metal excepting lead, total metals declined by 5%. Non-metals declined 1%.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			May	June	July	Aug.	Sept.	Oct.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	186.0	186.6	186.3	189.2	189.2	189.3
MINING, TOTAL	10.07	2	288.1	278.9	278.5	297.5	294.1	296.5
Metals	5.97	2	207.1	200.2	194.0	201.5	197.4	187.8
Gold	1.93	5	98.8	97.5	97.8	100.2	104.4	97.3
Copper	1.10	4	173.7	177.6	179.8	198.4	190.2	181.3
Iron ore	0.31	4	749.1	651.8	605.4	651.2	570.9	559.0
Nickel	1.05	4	190.7	171.4	175.9	183.5	179.6	154.0
Non-metals	0.85	5	222.4	223.8	227.5	234.5	222.6	219.4
Asbestos	0.59	4	238.9	237.3	238.9	250.6	226.9	223.9
Fuels	2.84	3	462.7	450.1	455.5	503.4	503.1	532.6
Coal	1.72	6	51.3	56.4	53.6	53.3	45.8	47.3
Natural gas	0.11	2	1017.9	1075.4	1210.1	1186.7	1174.1	1082.0
Petroleum	1.02	3	1097.9	1047.7	1053.1	1190.2	1203.3	1293.2
MANUFACTURING, TOTAL	84.83	2	164.5	166.6	166.1	166.6	167.7	167.4
NON-DURABLE MANUFACTURES	45.74	2	165.5	167.6	165.7	165.0	165.6	164.7
Foods and beverages	11.83	4	163.2	168.2	157.5	159.8	159.8	153.4
Foods	8.99	4	159.8	161.2	157.0	156.6	155.5	150.6
Meat products	1.62	4	156.9	164.3	152.7	158.2	156.7	156.3
Dairy products	1.40	3	152.9	159.6	156.9	157.1	163.5	153.1
Canning and processing	1.40	4	191.7	172.7	193.1	176.3	168.0	146.5
Grain mill products	1.00	4	133.7	146.5	142.0	135.2	136.7	131.4
Bakery products	1.73	3	160.3	163.0	153.8	154.5	155.4	154.3
Miscellaneous foods	1.83	4	157.1	157.1	144.4	153.3	149.3	153.8
Beverages	2.85	6	173.6	190.5	159.0	170.0	173.1	162.1
Carbonated beverages	0.72	5	180.8	198.9	167.8	162.2	192.5	140.1
Breweries	1.44	6	160.0	162.7	165.4	147.2	150.6	155.5
Distilleries	0.63	6	199.0	248.3	135.4	232.7	205.2	203.8
Tobacco and tobacco products ..	0.77	6	205.3	209.6	204.5	202.9	202.4	208.2
Rubber products	1.33	3	168.1	173.4	172.0	160.8	181.9	174.7
Leather products	1.58	2	125.0	131.0	129.6	124.9	123.3	122.8
Boots and shoes	0.95	3	136.8	144.9	143.1	138.3	135.1	132.5
Textiles	5.04	3	146.9	147.6	155.2	144.0	148.9	149.2
Cotton goods	1.57	4	106.8	99.5	109.5	103.3	102.1	108.7
Wool goods	0.93	3	88.7	94.5	98.1	83.1	94.2	86.2
Synthetic Textiles and Silk ..	1.33	3	246.1	250.5	261.5	237.4	250.3	248.1
Clothing	5.59	3	110.0	111.5	111.4	110.4	109.5	110.5
Men's, women's and children's clothing	3.45	3	112.2	112.8	113.4	112.5	111.7	114.7
Knitting mills	1.22	2	102.7	108.8	106.9	105.9	103.9	100.2

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			May	June	July	Aug.	Sept.	Oct.
Paper products	8.22	3	156.6	160.0	159.1	160.8	163.0	159.5
Pulp and paper	6.54	3	155.8	159.0	157.9	160.7	163.9	159.6
Printing publishing and allied industries	3.95	4	156.9	153.2	155.0	156.1	152.4	158.7
Products of petroleum and coal	1.59	3	267.7	250.5	251.4	273.8	276.9	296.3
Petroleum products	1.41	3	289.1	268.5	269.3	294.4	298.1	320.6
Chemicals and allied products	4.22	2	234.9	237.4	239.1	230.9	224.2	225.3
Acids, alkalies, salts and fertilizers	1.07	2	273.9	272.8	274.9	258.1	243.7	246.6
Miscellaneous manufactures	1.62	1	235.6	239.4	242.0	245.3	246.4	248.0
DURABLE MANUFACTURES	39.09	2	163.2	165.5	166.7	168.5	170.2	170.6
Wood products	6.54	2	146.3	148.6	152.9	149.6	156.9	152.4
Saw and planing mills	4.48	3	153.4	156.6	162.9	158.7	169.1	161.1
Veneers and plywoods	0.38	3	300.5	319.5	404.5	333.8	349.1	312.5
Sawmills	3.08	4	142.7	144.2	142.0	145.0	158.8	152.2
Furniture	1.43	1	152.8	153.6	153.9	152.0	153.1	156.3
Iron and steel products	12.49	2	150.3	154.3	155.3	158.5	158.6	156.2
Machinery	2.64	1	144.3	145.9	145.1	149.5	156.3	158.4
Iron castings	1.20	3	140.8	153.0	157.9	154.8	158.4	140.7
Primary iron and steel	2.62	3	197.5	202.7	200.5	213.3	198.3	189.0
Sheet metal products	1.11	1	154.7	159.6	162.7	166.5	165.1	168.4
Transportation equipment	8.23	4	152.3	154.1	155.1	160.6	167.4	168.4
Aircraft and parts	0.63	1	261.6	266.3	259.2	259.7	256.8	258.4
Motor vehicles	3.21	4	202.6	203.7	209.4	208.0	227.4	229.4
Motor vehicle parts	1.43	1	139.2	135.6	132.0	163.6	154.5	154.4
Railway rolling stock	1.93	1	41.1	40.8	40.3	40.5	41.9	41.4
Shipbuilding and repairs	0.81	1	174.4	189.4	188.7	193.3	199.2	202.4
Non-ferrous metal products	4.97	3	154.3	146.8	150.6	150.2	147.1	143.4
Brass and copper products ...	0.75	1	128.5	128.2	127.5	128.0	126.2	125.4
Smelting and refining	3.19	3	172.0	160.1	165.4	165.2	161.5	155.4
Electrical apparatus and supplies	4.40	2	212.0	219.6	214.3	219.1	217.5	229.4
Heavy electrical machinery ..	1.52	1	148.4	151.2	152.9	154.7	155.4	156.4
Telecommunication equipment	0.44	2	539.5	574.8	541.5	526.1	502.5	608.4
Refrigerators and appliances	0.71	3	189.2	203.2	180.2	215.8	218.2	215.4
Non-metallic mineral products	2.46	2	241.1	246.6	247.4	241.9	235.8	250.4
Concrete products	0.30	4	653.4	645.0	653.8	696.4	615.4	774.4
Hydraulic cement	0.36	4	239.6	253.3	241.5	227.8	249.0	227.4
Domestic clay products	0.24	3	149.3	153.5	144.6	137.9	150.2	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	341.7	337.6	340.5	350.4	339.4	340.4
Electric power	4.60	2	321.8	313.0	308.6	317.4	304.8	310.4
Gas	0.51	3	520.2	558.2	626.7	646.1	649.6	608.4

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
	1960	1961	1961			1962		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	172.4	182.4	183.8	183.7	194.0	195.5
MINING, TOTAL	253.3	266.9	276.6	293.0	285.1	300.9	305.7	299.5
Metals	197.9	191.7	198.0	209.7	210.3	214.8	211.2	200.4
Gold	111.2	107.1	100.6	100.7	105.3	96.1	100.6	100.2
Copper	168.7	170.4	170.1	171.8	184.1	198.4	191.9	176.2
Iron ore	406.3	504.7	738.5	772.7	749.5	911.7	848.5	754.7
Nickel	166.9	183.8	184.6	200.7	203.1	183.9	182.8	153.8
Non-metals	192.6	211.7	215.2	229.7	236.1	234.0	238.6	245.9
Asbestos	201.4	223.4	221.8	235.0	243.1	245.6	242.8	253.0
Fuels	380.2	430.7	428.0	457.2	426.5	467.1	490.2	490.0
Coal	53.3	49.9	26.1	52.8	63.7	30.5	48.1	59.4
Natural gas	589.2	712.0	553.9	601.8	686.0	866.3	936.9	986.8
Petroleum	909.9	1,043.7	1093.4	1124.8	1011.5	1161.6	1188.9	1163.9
MANUFACTURING, TOTAL	149.3	153.0	153.4	162.3	163.9	162.7	173.9	175.4
NON-DURABLE MANUFACTURES	151.8	157.0	161.3	168.0	168.4	167.8	175.4	174.2
Foods and beverages	150.2	154.2	172.4	174.4	175.5	179.5	181.8	175.2
Foods	147.1	151.2	168.1	171.7	174.3	177.4	180.3	174.2
Meat products	156.5	158.1	153.6	168.9	178.2	150.6	160.6	169.1
Dairy products	152.8	158.3	179.2	174.4	157.7	177.7	178.9	150.8
Canning and processing	149.5	153.8	257.3	251.8	236.9	307.3	294.5	237.3
Grain mill products	132.5	138.3	141.0	139.1	139.8	133.5	140.3	136.8
Bakery products	144.1	149.2	153.0	152.5	155.2	160.2	159.7	159.6
Miscellaneous foods	142.9	146.4	133.2	146.8	172.2	141.6	152.4	182.5
Beverages	160.2	163.6	185.9	182.8	179.5	186.2	186.7	178.4
Carbonated beverages	158.7	165.6	225.8	187.8	144.4	210.4	200.2	132.8
Breweries	146.4	147.6	161.4	145.0	147.2	156.2	146.1	146.2
Distilleries	194.8	200.1	204.0	253.0	286.1	232.9	250.4	293.9
Tobacco and tobacco products	182.0	193.6	197.3	204.7	207.7	201.7	216.2	212.4
Rubber products	143.3	145.7	117.1	164.1	167.8	125.9	196.1	186.9
Leather products	111.8	123.8	125.6	133.0	128.7	128.2	129.8	125.7
Boots and shoes	123.7	134.3	138.5	143.6	136.2	142.4	142.5	132.4
Textiles	122.5	134.6	128.9	144.5	144.4	133.8	153.0	154.4
Cotton goods	89.6	98.8	95.2	107.6	114.8	93.0	110.3	114.1
Wool goods	78.5	80.3	76.0	90.6	85.1	83.1	99.8	93.4
Synthetic textiles and silk	187.6	219.5	207.0	236.9	229.5	213.7	251.8	253.1
Clothing	107.9	107.1	107.1	114.0	108.9	110.7	115.8	112.4
Men's, women's and children's clothing	109.4	110.3	109.8	116.7	108.8	114.2	119.5	114.7
Knitting mills	103.1	101.0	97.2	107.2	106.1	101.2	108.4	105.6

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
	1960	1961	1961			1962		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
Paper products	148.4	153.4	156.3	155.9	163.1	162.1	164.8	167.1
Pulp and paper	148.2	153.1	152.6	154.7	162.7	159.7	163.9	167.1
Printing publishing and allied industries	146.5	148.2	141.3	153.3	157.1	147.5	154.8	160.1
Products of petroleum and coal	250.6	258.8	282.8	281.3	253.3	285.2	286.6	291.1
Petroleum products	269.8	279.0	305.7	303.8	272.6	307.6	309.4	315.1
Chemicals and allied products	219.7	222.1	222.3	229.3	226.9	229.5	234.3	232.1
Acids, alkalies, salts and fertilizers	260.8	257.2	254.3	254.1	253.4	257.6	246.1	246.1
Miscellaneous manufactures	191.6	213.0	217.3	227.8	236.5	245.1	254.0	261.1
DURABLE MANUFACTURES	146.4	148.4	144.2	155.6	158.5	156.8	172.0	176.1
Wood products	136.0	139.6	151.5	152.3	141.3	161.5	167.3	153.1
Saw and planing mills	141.2	146.2	161.6	160.8	144.4	173.5	180.2	159.1
Veneers and plywoods	267.1	295.4	318.5	330.1	293.4	293.7	359.6	337.1
Sawmills	132.7	134.1	146.7	143.9	126.4	166.8	169.1	143.1
Furniture	141.3	143.6	150.2	156.2	156.7	157.6	164.1	167.1
Iron and steel products	137.3	139.4	147.8	152.6	147.7	158.9	165.5	160.1
Machinery	135.1	133.4	136.7	138.5	139.8	151.4	157.9	160.1
Iron castings	147.8	144.3	166.4	170.8	147.9	136.2	163.2	137.1
Primary iron and steel	162.1	174.0	186.7	191.4	188.9	206.9	200.3	192.1
Sheet metal products	143.5	141.0	152.4	153.1	148.8	180.3	180.6	179.1
Transportation equipment	130.0	129.8	80.7	111.4	135.2	84.4	137.7	165.1
Aircraft and parts	238.4	269.5	258.7	263.1	272.2	252.4	253.2	255.1
Motor vehicles	159.0	157.3	31.7	108.0	166.7	26.0	159.2	225.1
Motor vehicle parts	121.1	121.3	120.2	121.8	123.9	137.4	143.1	151.1
Railway rolling stock	51.2	42.9	45.0	44.0	43.1	41.3	41.5	41.1
Shipbuilding and repairs	143.2	145.2	152.5	157.6	158.4	193.3	195.8	195.1
Non-ferrous metal products	148.3	147.6	140.6	146.9	152.8	148.7	148.2	140.1
Brass and copper products ...	115.2	122.2	127.0	131.2	132.1	130.2	129.4	128.1
Smelting and refining	168.7	165.6	153.5	160.6	168.9	161.9	161.0	157.1
Electrical apparatus and supplies	180.2	182.6	182.4	204.0	206.7	213.0	232.9	241.1
Heavy electrical machinery ..	135.3	132.0	135.7	138.5	142.3	155.5	160.2	161.1
Telecommunication equipment	398.6	428.9	428.4	532.0	549.4	557.7	600.0	721.1
Refrigerators and appliances	176.6	171.3	152.8	189.6	174.9	183.4	220.6	211.1
Non-metallic mineral products	210.9	220.2	257.3	257.5	262.2	282.1	272.1	291.1
Concrete products	511.9	574.1	741.9	735.3	729.7	899.0	793.2	971.1
Hydraulic cement	203.8	214.6	285.9	286.1	274.1	306.1	324.5	291.1
Domestic clay products	152.8	146.2	165.9	175.9	172.1	155.8	163.7	163.1
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	281.9	298.4	315.1	301.8	308.0	324.1
Electric power	287.4	298.5	280.6	294.3	304.4	296.1	297.5	305.1
Gas	392.7	490.6	293.6	334.9	411.5	353.4	402.1	457.1

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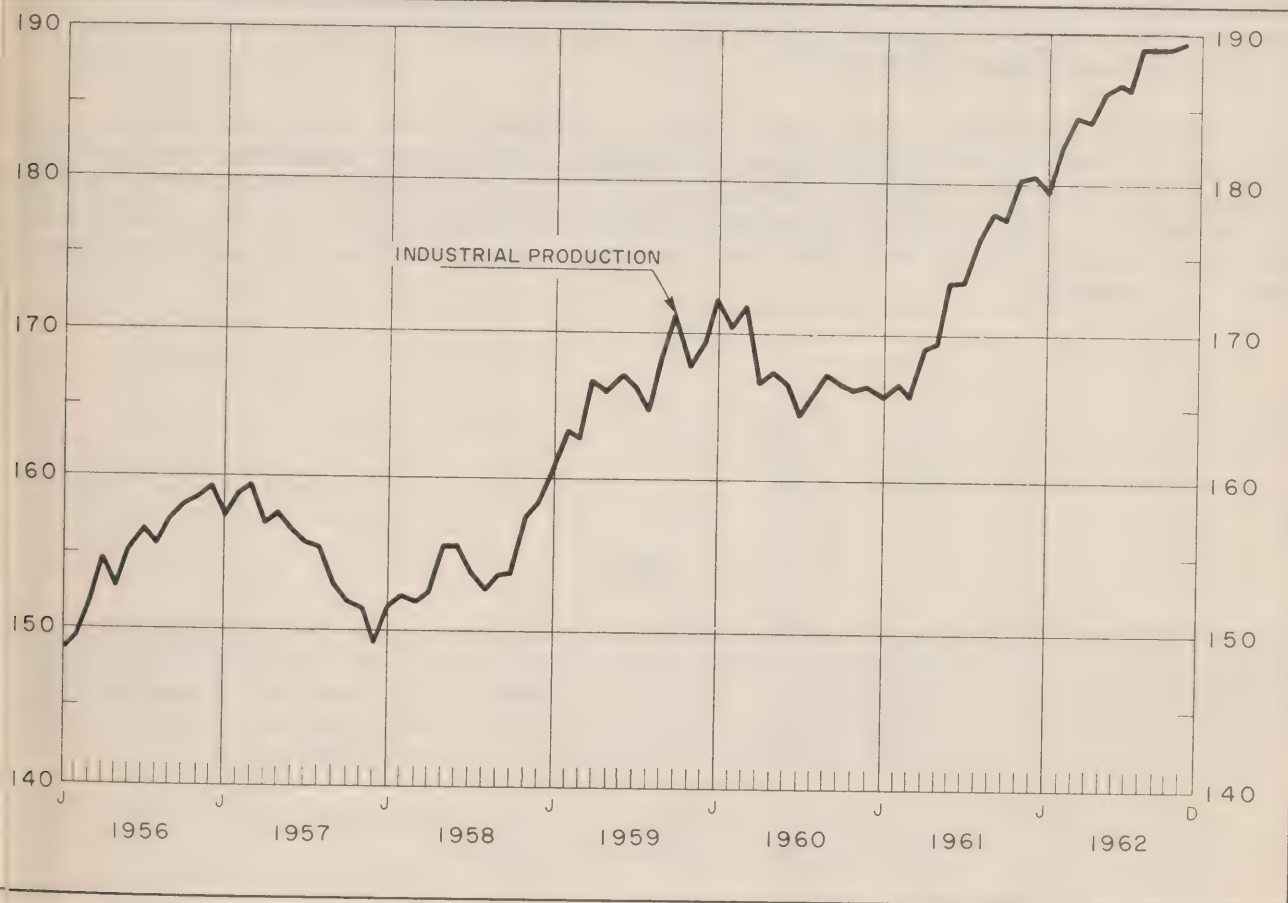
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

November, 1962

Canada's index of industrial production
was marginally higher in November.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

January, 1963
205-502

The seasonally adjusted index of industrial production was up slightly in November to 189.5 from a revised October level of 188.9. This development was the result of gains in both manufacturing (+0.7%) and electric power and gas utilities (+0.4%), being partly offset by a decrease of 1.5% in mining output.

Within non-durables, which was up by one-half of one per cent, gains of 2% were recorded in both chemicals and foods and beverages, while leather products was up by 4%. On the other hand, petroleum products declined by 5% from the high October level. Elsewhere, movements were in the order of 1%, with gains in textile and rubber manufacturing and declines in tobacco and clothing products. Paper products and printing and publishing were virtually unchanged.

The 0.8% gain in durable output in November was concentrated in wood products with both the veneer and plywood and sawmills industries showing considerable strength. With a further expansion of motor vehicle output, transportation equipment was up by 1% during November. A similar gain in iron and steel products was the result of increased primary iron and steel production. A gain of 1% was also recorded in non-ferrous metal products, reflecting increased smelting and refining. Drops of 1% and 3% occurred in electrical apparatus and supplies and non-metallic mineral products respectively.

The drop in mining output was largely confined to the fuels industry, in turn due to a 4% drop in crude petroleum production. Of lesser importance was an 8% decline in non-metals output. Partially offsetting these was a 3% gain in the output of metals. Much of this strength emanated from the nickel industry, where output substantially increased from the low October level. Zinc and lead were somewhat lower in November.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalog No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 196 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1962					
			June	July	Aug.	Sept.	Oct.	Nov.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	186.6	186.3	189.2	189.1	188.9	189.5
MINING, TOTAL	10.07	2	278.9	278.5	297.5	293.1	295.6	291.1
Metals	5.97	2	200.2	194.0	201.5	197.1	189.0	194.3
Gold	1.93	5	97.5	97.8	100.2	104.4	97.2	96.3
Copper	1.10	4	177.6	179.8	198.4	189.2	179.7	189.9
Iron ore	0.31	4	651.8	605.4	651.2	570.9	559.0	564.1
Nickel	1.05	4	171.4	175.9	183.5	179.4	153.4	197.1
Non-metals	0.85	5	223.8	227.5	234.5	222.6	219.2	201.2
Asbestos	0.59	4	237.3	238.9	250.6	226.9	223.4	202.5
Fuels	2.84	3	450.1	455.5	503.4	503.1	527.1	505.2
Coal	1.72	6	56.4	53.6	53.3	45.8	47.3	45.1
Natural gas	0.11	2	1075.4	1210.1	1186.7	1174.1	1118.6	1046.8
Petroleum	1.02	3	1047.7	1053.1	1190.2	1203.3	1273.8	1224.2
MANUFACTURING, TOTAL	84.83	2	166.6	166.1	166.6	167.7	167.1	168.2
NON-DURABLE MANUFACTURES	45.74	2	167.6	165.7	165.0	165.6	164.4	165.4
Foods and beverages	11.83	4	168.2	157.5	159.8	159.9	153.8	157.0
Foods	8.99	4	161.2	157.0	156.6	155.7	151.6	153.6
Meat products	1.62	4	164.3	152.7	158.2	156.7	156.3	159.9
Dairy products	1.40	3	159.6	156.9	157.1	163.3	154.8	161.7
Canning and processing	1.40	4	172.7	193.1	176.3	167.9	150.5	150.5
Grain mill products	1.00	4	146.5	142.0	135.2	136.7	131.7	131.6
Bakery products	1.73	3	163.0	153.8	154.5	155.4	153.1	152.7
Miscellaneous foods	1.83	4	157.1	144.4	153.3	150.2	155.4	157.1
Beverages	2.85	6	190.5	159.0	170.0	173.1	160.7	167.5
Carbonated beverages	0.72	5	198.9	167.8	162.2	192.5	140.1	185.3
Breweries	1.44	6	162.7	165.4	147.2	150.6	155.5	149.6
Distilleries	0.63	6	248.3	135.4	232.7	205.2	203.8	189.4
Tobacco and tobacco products ..	0.77	6	209.6	204.5	202.9	202.4	208.2	205.7
Rubber products	1.33	3	173.4	172.0	160.8	181.9	174.7	175.8
Leather products	1.58	2	131.0	129.6	124.9	123.6	123.4	128.0
Boots and shoes	0.95	3	144.9	143.1	138.3	135.1	132.5	139.9
Textiles	5.04	3	147.6	155.2	144.0	149.0	149.3	151.1
Cotton goods	1.57	4	99.5	109.5	103.3	102.1	108.7	102.0
Wool goods	0.93	3	94.5	98.1	83.1	94.2	86.2	79.8
Synthetic Textiles and Silk	1.33	3	250.5	261.5	237.4	250.3	248.1	266.9
Clothing	5.59	3	111.5	111.4	110.4	109.6	109.3	108.0
Men's, women's and children's clothing	3.45	3	112.8	113.4	112.5	111.9	113.9	112.5
Knitting mills	1.22	2	108.8	106.9	105.9	104.0	98.1	96.9

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			June	July	Aug.	Sept.	Oct.	Nov.
Paper products	8.22	3	160.0	159.1	160.8	163.1	159.3	160.0
Pulp and paper	6.54	3	159.0	157.9	160.7	163.9	159.6	160.2
Printing publishing and allied industries	3.95	4	153.2	155.0	156.1	152.4	158.3	157.7
Products of petroleum and coal	1.59	3	250.5	251.4	273.8	276.9	296.3	280.9
Petroleum products	1.41	3	268.5	269.3	294.4	298.1	320.6	304.1
Chemicals and allied products	4.22	2	237.4	239.1	230.9	223.2	223.9	228.4
Acids, alkalies, salts and fertilizers	1.07	2	272.8	274.9	258.1	239.6	244.6	245.5
Miscellaneous manufactures	1.62	1	239.4	242.0	245.3	246.6	245.5	245.8
DURABLE MANUFACTURES	39.09	2	165.5	166.7	168.5	170.3	170.2	171.6
Wood products	6.54	2	148.6	152.9	149.6	156.9	151.7	159.1
Saw and planing mills	4.48	3	156.6	162.9	158.7	169.2	161.6	172.7
Veneers and plywoods	0.38	3	319.5	404.5	333.8	349.1	312.5	348.2
Sawmills	3.08	4	144.2	142.0	145.0	158.8	152.2	164.1
Furniture	1.43	1	153.6	153.9	152.0	152.9	153.5	151.8
Iron and steel products	12.49	2	154.3	155.3	158.5	158.9	156.5	158.2
Machinery	2.64	1	145.9	145.1	149.5	156.4	159.3	159.6
Iron castings	1.20	3	153.0	157.9	154.8	158.4	139.4	135.8
Primary iron and steel	2.62	3	202.7	200.5	213.3	198.3	189.0	200.4
Sheet metal products	1.11	1	159.6	162.7	166.5	165.4	162.4	160.5
Transportation equipment	8.23	4	154.1	155.1	160.6	167.4	168.1	169.4
Aircraft and parts	0.63	1	266.3	259.2	259.7	256.8	248.0	246.8
Motor vehicles	3.21	4	203.7	209.4	208.0	227.4	229.8	231.5
Motor vehicle parts	1.43	1	135.6	132.0	163.6	154.5	156.3	159.3
Railway rolling stock	1.93	1	40.8	40.3	40.5	41.9	40.8	38.9
Shipbuilding and repairs	0.81	1	189.4	188.7	193.3	199.8	204.2	210.3
Non-ferrous metal products	4.97	3	146.8	150.6	150.2	147.1	142.7	143.8
Brass and copper products ...	0.75	1	128.2	127.5	128.0	126.2	124.1	124.2
Smelting and refining	3.19	3	160.1	165.4	165.2	161.5	155.3	157.0
Electrical apparatus and supplies	4.40	2	219.6	214.3	219.1	217.3	226.4	223.6
Heavy electrical machinery ..	1.52	1	151.2	152.9	154.7	155.8	155.9	159.2
Telecommunication equipment	0.44	2	574.8	541.5	526.1	499.7	602.8	569.3
Refrigerators and appliances	0.71	3	203.2	180.2	215.8	218.2	212.6	211.3
Non-metallic mineral products	2.46	2	246.6	247.4	241.9	235.9	250.9	243.3
Concrete products	0.30	4	645.0	653.8	696.4	615.4	774.7	701.5
Hydraulic cement	0.36	4	253.3	241.5	227.8	249.0	227.5	232.5
Domestic clay products	0.24	3	153.5	144.6	137.9	150.2		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	337.6	340.5	350.4	339.4	340.7	341.5
Electric power	4.60	2	313.0	308.6	317.4	304.8	310.8	313.5
Gas	0.51	3	558.2	626.7	646.1	649.6	608.5	596.8

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	182.4	183.8	184.9	193.9	195.1	194.3
MINING, TOTAL	253.3	266.9	293.0	285.1	286.1	304.4	298.8	286.3
Metals	197.9	191.7	209.7	210.3	195.6	211.0	201.7	187.4
Gold	111.2	107.1	100.7	105.3	107.5	100.6	100.1	99.7
Copper	168.7	170.4	171.8	184.1	182.2	190.9	171.7	193.7
Iron ore	406.3	504.7	772.7	749.5	410.6	848.5	754.7	411.8
Nickel	166.9	183.8	200.7	203.1	213.8	182.6	153.2	197.1
Non-metals	192.6	211.7	229.7	236.1	240.4	238.6	245.6	233.5
Asbestos	201.4	223.4	235.0	243.1	252.6	242.8	252.4	243.0
Fuels	380.2	430.7	457.2	426.5	477.7	490.2	485.0	487.2
Coal	53.3	49.9	52.8	63.7	63.2	48.1	59.4	59.3
Natural gas	589.2	712.0	601.8	686.0	836.0	936.9	1020.2	1151.5
Petroleum	909.9	1,043.7	1124.8	1011.5	1139.4	1188.9	1146.4	1138.5
MANUFACTURING, TOTAL	149.3	153.0	162.3	163.9	163.6	173.9	175.0	173.6
NON-DURABLE MANUFACTURES	151.8	157.0	168.0	168.4	167.5	175.4	174.0	172.7
Foods and beverages	150.2	154.2	174.4	175.5	168.3	181.9	175.8	169.4
Foods	147.1	151.2	171.7	174.3	161.5	180.3	175.8	163.6
Meat products	156.5	158.1	168.9	178.2	183.4	160.6	169.1	178.8
Dairy products	152.8	158.3	174.4	157.7	140.8	178.7	152.5	141.2
Canning and processing	149.5	153.8	251.8	236.9	163.1	294.2	245.3	171.2
Grain mill products	132.5	138.3	139.1	139.8	147.6	140.3	137.0	139.5
Bakery products	144.1	149.2	152.5	155.2	153.3	159.7	158.3	155.3
Miscellaneous foods	142.9	146.4	146.8	172.2	172.2	153.2	184.1	182.3
Beverages	160.2	163.6	182.8	179.5	190.7	186.7	175.9	187.7
Carbonated beverages	158.7	165.6	187.8	144.4	151.8	200.2	132.8	163.1
Breweries	146.4	147.6	145.0	147.2	156.3	146.1	146.2	157.1
Distilleries	194.8	200.1	253.0	286.1	320.3	250.4	293.9	290.9
Tobacco and tobacco products	182.0	193.6	204.7	207.7	209.1	216.2	212.4	220.3
Rubber products	143.3	145.7	164.1	167.8	167.5	196.1	186.9	195.5
Leather products	111.8	123.8	133.0	128.7	132.0	130.2	126.4	130.0
Boots and shoes	123.7	134.3	143.6	136.2	139.2	142.5	132.4	137.2
Textiles	122.5	134.6	144.5	144.4	146.8	153.1	154.5	158.5
Cotton goods	89.6	98.8	107.6	114.8	113.4	110.3	114.1	109.7
Wool goods	78.5	80.3	90.6	85.1	68.5	99.8	93.4	89.6
Synthetic textiles and silk	187.6	219.5	236.9	229.5	236.7	251.8	253.1	274.9
Clothing	107.9	107.1	114.0	108.9	108.0	116.0	111.1	108.5
Men's, women's and children's clothing	109.4	110.3	116.7	108.8	105.4	119.7	113.9	108.9
Knitting mills	103.1	101.0	107.2	106.1	113.0	108.5	103.4	107.5

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
Paper products	148.4	153.4	155.9	163.1	163.4	164.8	167.1	167.1
Pulp and paper	148.2	153.1	154.7	162.7	164.1	163.9	167.1	168.1
Printing publishing and allied industries	146.5	148.2	153.3	157.1	156.5	154.8	160.1	162.1
Products of petroleum and coal	250.6	258.8	281.3	253.3	272.2	286.6	291.9	286.1
Petroleum products	269.8	279.0	303.8	272.6	293.6	309.4	315.8	313.1
Chemicals and allied products	219.7	222.1	229.3	226.9	223.6	233.3	230.7	227.1
Acids, alkalies, salts and fertilizers	260.8	257.2	254.1	253.4	252.3	242.0	244.6	242.1
Miscellaneous manufactures	191.6	213.0	227.8	236.5	241.0	254.2	259.2	261.1
DURABLE MANUFACTURES	146.4	148.4	155.6	158.5	159.2	172.2	176.3	174.1
Wood products	136.0	139.6	152.3	141.3	132.9	167.3	153.4	141.1
Saw and planing mills	141.2	146.2	160.8	144.4	132.9	180.3	160.1	144.1
Veneers and plywoods	267.1	295.4	330.1	293.4	309.2	359.6	337.5	334.1
Sawmills	132.7	134.1	143.9	126.4	109.7	169.1	143.8	123.1
Furniture	141.3	143.6	156.2	156.7	155.1	163.9	164.7	160.1
Iron and steel products	137.3	139.4	152.6	147.7	143.2	165.8	160.9	161.1
Machinery	135.1	133.4	138.5	139.8	138.8	158.0	161.5	160.1
Iron castings	147.8	144.3	170.8	147.9	124.4	163.2	136.6	137.1
Primary iron and steel	162.1	174.0	191.4	188.9	179.9	200.3	192.8	200.1
Sheet metal products	143.5	141.0	153.1	148.8	142.3	180.9	172.5	164.1
Transportation equipment	130.0	129.8	111.4	135.2	153.1	137.8	164.7	171.1
Aircraft and parts	238.4	269.5	263.1	272.2	230.5	253.2	245.8	244.1
Motor vehicles	159.0	157.3	108.0	166.7	210.2	159.2	225.2	261.1
Motor vehicle parts	121.1	121.3	121.8	123.9	127.3	143.1	153.2	151.1
Railway rolling stock	51.2	42.9	44.0	43.1	42.4	44.5	40.8	38.1
Shipbuilding and repairs	143.2	145.2	157.6	158.4	157.4	196.4	197.1	191.1
Non-ferrous metal products	148.3	147.6	146.9	152.8	158.2	148.2	145.8	144.1
Brass and copper products ...	115.2	122.2	131.2	132.1	129.2	129.4	126.8	121.1
Smelting and refining	168.7	165.6	160.6	168.9	177.9	161.0	157.3	151.1
Electrical apparatus and supplies	180.2	182.6	204.0	206.7	210.1	232.7	244.3	238.1
Heavy electrical machinery ..	135.3	132.0	138.5	142.3	142.1	160.6	163.7	164.1
Telecommunication equipment	398.6	428.9	532.0	549.4	551.7	596.7	722.1	651.1
Refrigerators and appliances	176.6	171.3	189.6	174.9	189.7	220.6	209.0	211.1
Non-metallic mineral products	210.9	220.2	257.5	262.2	241.5	272.2	294.2	261.1
Concrete products	511.9	574.1	735.3	729.7	618.9	793.2	976.9	741.1
Hydraulic cement	203.8	214.6	286.1	274.1	217.0	324.5	298.0	211.1
Domestic clay products	152.8	146.2	175.9	172.1	158.8	163.7		
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	298.4	315.1	339.3	308.0	324.4	311.1
Electric power	287.4	298.5	294.3	304.4	318.0	297.5	309.6	311.1
Gas	392.7	490.6	334.9	411.5	530.6	402.1	457.6	411.1

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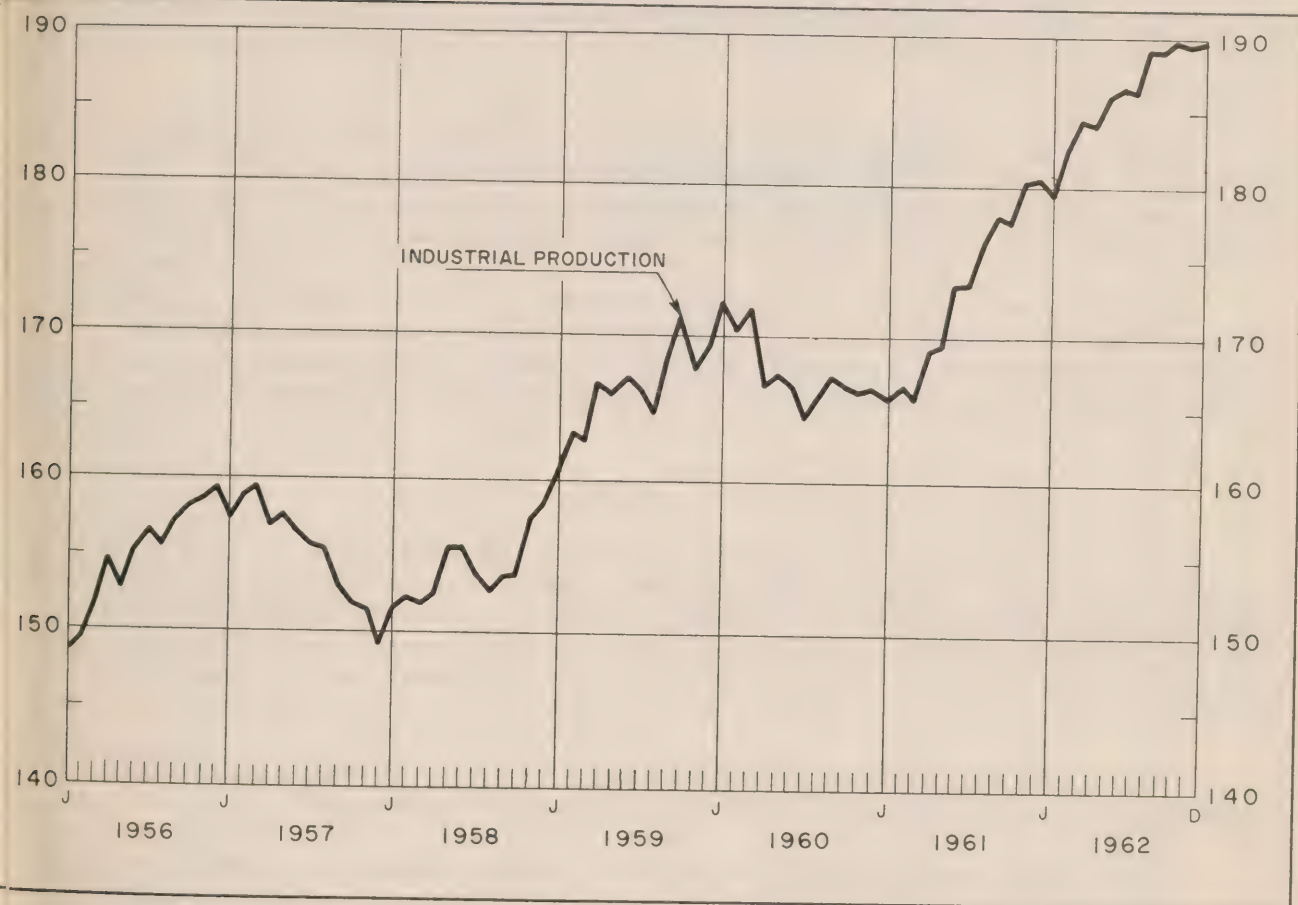
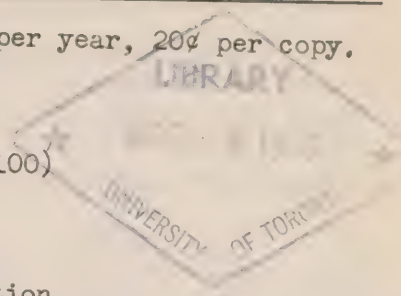
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

December, 1962.

Canada's index of industrial production
was virtually unchanged in December.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

February, 1963.
205-502.

The seasonally adjusted index of industrial production was virtually unchanged in December. This development occurred in spite of a slightly greater than 1% gain in manufacturing output; drops of 2% and 3% were recorded in electric power and gas utilities and mining production respectively. Between January and December 1962, the seasonally adjusted total index has risen by 5.5%, with little strength being recorded since August.

Within manufacturing, non-durables advanced by 1.3% in the month, with foods and beverages, up by 5%, accounting for almost all this strength. There were lesser gains elsewhere with petroleum and rubber products each higher by 2%, and 1% increases in both clothing and chemicals. Leather products and printing and publishing were lower by 3%.

The 0.8% gain in durable output in December reflected widespread gains by major group with only non-ferrous metal products lower by 1%. Wood products, electrical apparatus and supplies and iron and steel products were higher by 1%, with the latter partially due to increased output in the primary iron and steel component. Transportation equipment was unchanged in December, with motor vehicles showing a slight gain from its high level of November and the previous several months. Non-metallic mineral products also gained more than 2% during the month.

Drops of 4% in metals and 3% in fuels contributed almost equally to the decline in total mining, with non-metals higher during the month. In fuels, the weakness was largely concentrated in petroleum output, while in metals, copper and 'other' metals (including uranium) were somewhat lower.

With the availability of December figures, it is now possible to compare the year 1962 as a whole with 1961 and the following percentage gains are indicated; total index of production (7.7%), mining (7.3%), manufacturing (7.9%), durables (11.4%), non-durables (5.1%) and electric power and gas utilities (6.3%).

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1962					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	186.3	189.2	189.1	188.8	189.5	189.7
MINING, TOTAL	10.07	2	278.5	297.5	293.1	295.4	292.1	283.1
Metals	5.97	2	194.0	201.5	197.1	189.0	195.7	188.3
Gold	1.93	5	97.8	100.2	104.4	97.2	96.5	96.8
Copper	1.10	4	179.8	198.4	189.2	179.7	189.9	176.4
Iron ore	0.31	4	605.4	651.2	570.9	559.0	564.1	587.3
Nickel	1.05	4	175.9	183.5	179.4	153.4	197.1	189.9
Non-metals	0.85	5	227.5	234.5	222.6	219.6	201.6	208.6
Asbestos	0.59	4	238.9	250.6	226.9	223.4	202.5	212.8
Fuels	2.84	3	455.5	503.4	503.1	527.1	501.7	485.0
Coal	1.72	6	53.6	53.3	45.8	47.3	45.1	46.3
Natural gas	0.11	2	1210.1	1186.7	1174.1	1118.6	1020.4	991.2
Petroleum	1.02	3	1053.1	1190.2	1203.3	1273.8	1217.1	1171.7
MANUFACTURING, TOTAL	84.83	2	166.1	166.6	167.7	167.0	168.2	170.0
NON-DURABLE MANUFACTURES	45.74	2	165.7	165.0	165.6	164.4	165.1	167.2
Foods and beverages	11.83	4	157.5	159.8	159.9	153.8	156.6	164.9
Foods	8.99	4	157.0	156.6	155.7	151.6	153.1	159.1
Meat products	1.62	4	152.7	158.2	156.7	156.3	159.9	159.5
Dairy products	1.40	3	156.9	157.1	163.3	154.8	161.7	167.9
Canning and processing	1.40	4	193.1	176.3	167.9	150.9	148.8	174.6
Grain mill products	1.00	4	142.0	135.2	136.7	131.7	131.2	136.3
Bakery products	1.73	3	153.8	154.5	155.4	153.1	152.4	153.0
Miscellaneous foods	1.83	4	144.4	153.3	150.2	155.0	156.2	158.4
Beverages	2.85	6	159.0	170.0	173.1	160.7	167.9	182.8
Carbonated beverages	0.72	5	167.8	162.2	192.5	140.1	185.3	183.7
Breweries	1.44	6	165.4	147.2	150.6	155.5	149.6	173.0
Distilleries	0.63	6	135.4	232.7	205.2	203.8	189.4	208.9
Tobacco and tobacco products ..	0.77	6	204.5	202.9	202.4	208.2	205.7	204.7
Rubber products	1.33	3	172.0	160.8	181.9	174.7	175.8	179.5
Leather products	1.58	2	129.6	124.9	123.6	123.4	127.9	124.5
Boots and shoes	0.95	3	143.1	138.3	135.1	132.5	139.9	132.6
Textiles	5.04	3	155.2	144.0	149.0	149.0	150.5	150.4
Cotton goods	1.57	4	109.5	103.3	102.1	108.7	102.0	108.0
Wool goods	0.93	3	98.1	83.1	94.2	86.2	79.8	83.5
Synthetic Textiles and Silk	1.33	3	261.5	237.4	250.3	248.1	266.2	255.7
Clothing	5.59	3	111.4	110.4	109.6	109.3	108.4	108.9
Men's, women's and children's clothing	3.45	3	113.4	112.5	111.9	113.7	112.9	113.8
Knitting mills	1.22	2	106.9	105.9	104.0	98.6	98.6	99.1

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
Paper products	8.22	3	159.1	160.8	163.1	159.3	160.0	159.8
Pulp and paper	6.54	3	157.9	160.7	163.9	159.6	160.2	158.3
Printing publishing and allied industries	3.95	4	155.0	156.1	152.4	158.3	157.4	153.1
Products of petroleum and coal	1.59	3	251.4	273.8	276.9	296.3	280.9	285.3
Petroleum products	1.41	3	269.3	294.4	298.1	320.6	304.1	308.2
Chemicals and allied products	4.22	2	239.1	230.9	223.2	223.7	226.8	229.0
Acids, alkalies, salts and fertilizers	1.07	2	274.9	258.1	239.6	244.6	248.0	248.0
Miscellaneous manufactures	1.62	1	242.0	245.3	246.6	246.3	246.4	247.2
DURABLE MANUFACTURES	39.09	2	166.7	168.5	170.3	170.1	171.8	173.1
Wood products	6.54	2	152.9	149.6	156.9	151.7	159.0	160.3
Saw and planing mills	4.48	3	162.9	158.7	169.2	161.6	172.4	173.9
Veneers and plywoods	0.38	3	404.5	333.8	349.1	312.5	348.2	375.6
Sawmills	3.08	4	142.0	145.0	158.8	152.2	164.1	163.1
Furniture	1.43	1	153.9	152.0	152.9	153.5	152.3	152.9
Iron and steel products	12.49	2	155.3	158.5	158.9	156.4	158.3	160.1
Machinery	2.64	1	145.1	149.5	156.4	159.3	160.2	161.4
Iron castings	1.20	3	157.9	154.8	158.4	139.4	135.8	113.1
Primary iron and steel	2.62	3	200.5	213.3	198.3	189.0	200.4	205.0
Sheet metal products	1.11	1	162.7	166.5	165.4	161.8	159.9	160.9
Transportation equipment	8.23	4	155.1	160.6	167.4	168.2	169.0	169.0
Aircraft and parts	0.63	1	259.2	259.7	256.8	248.0	237.1	231.1
Motor vehicles	3.21	4	209.4	208.0	227.4	229.8	231.5	232.1
Motor vehicle parts	1.43	1	132.0	163.6	154.5	156.3	162.9	163.1
Railway rolling stock	1.93	1	40.3	40.5	41.9	40.8	39.6	40.1
Shipbuilding and repairs	0.81	1	188.7	193.3	199.8	204.2	203.7	203.1
Non-ferrous metal products	4.97	3	150.6	150.2	147.1	142.7	145.9	144.1
Brass and copper products ...	0.75	1	127.5	128.0	126.2	124.1	124.8	124.1
Smelting and refining	3.19	3	165.4	165.2	161.5	155.3	160.0	158.1
Electrical apparatus and supplies	4.40	2	214.3	219.1	217.3	226.5	224.1	226.1
Heavy electrical machinery ..	1.52	1	152.9	154.7	155.8	156.1	160.5	163.1
Telecommunication equipment	0.44	2	541.5	526.1	499.7	603.3	571.5	578.1
Refrigerators and appliances	0.71	3	180.2	215.8	218.2	212.4	215.3	220.1
Non-metallic mineral products	2.46	2	247.4	241.9	235.9	249.5	243.0	248.1
Concrete products	0.30	4	653.8	696.4	615.4	774.7	701.5	655.1
Hydraulic cement	0.36	4	241.5	227.8	249.0	227.5	232.9	294.1
Domestic clay products	0.24	3	144.6	137.9	150.2	141.7	136.0	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	340.5	350.4	339.4	340.7	341.9	334.1
Electric power	4.60	2	308.6	317.4	304.8	310.8	313.5	310.1
Gas	0.51	3	626.7	646.1	649.6	608.5	596.8	547.1

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
	1960	1961	1961			1962		
			Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
INDUSTRIAL PRODUCTION, TOTAL	167.4	172.9	183.8	184.9	173.8	195.1	194.3	182.0
MINING, TOTAL	253.3	266.9	285.1	286.1	267.8	298.6	287.4	274.1
Metals	197.9	191.7	210.3	195.6	177.2	201.8	188.7	176.6
Gold	111.2	107.1	105.3	107.5	106.4	100.1	99.9	96.6
Copper	168.7	170.4	184.1	182.2	165.3	174.7	193.7	172.5
Iron ore	406.3	504.7	749.5	410.6	316.3	754.7	411.8	352.4
Nickel	166.9	183.8	203.1	213.8	188.0	153.2	197.1	189.5
Non-metals	192.6	211.7	236.1	240.4	206.4	246.1	233.9	190.7
Asbestos	201.4	223.4	243.1	252.6	214.1	252.4	243.0	197.7
Fuels	380.2	430.7	426.5	477.7	484.2	485.0	483.7	505.7
Coal	53.3	49.9	63.7	63.2	57.6	59.4	59.3	55.2
Natural gas	589.2	712.0	626.0	836.0	1024.7	1020.2	1122.4	1169.6
Petroleum	909.9	1,043.7	1011.5	1139.4	1146.7	1146.4	1131.9	1195.1
MANUFACTURING, TOTAL	149.3	153.0	163.9	163.6	151.6	175.0	173.5	160.0
NON-DURABLE MANUFACTURES	151.8	157.0	168.4	167.5	154.2	173.9	172.4	158.0
Foods and beverages	150.2	154.2	175.5	168.3	145.6	175.9	169.0	150.1
Foods	147.1	151.2	174.3	161.5	143.2	175.9	162.9	146.0
Meat products	156.5	158.1	178.2	183.4	145.5	169.1	178.8	144.0
Dairy products	152.8	158.3	157.7	140.8	137.7	152.5	141.2	137.7
Canning and processing	149.5	153.8	236.9	163.1	132.7	246.0	169.0	148.7
Grain mill products	132.5	138.3	139.8	147.6	136.7	137.0	139.3	130.9
Bakery products	144.1	149.2	155.2	153.3	148.7	158.3	154.9	150.2
Miscellaneous foods	142.9	146.4	172.2	172.2	151.6	183.8	181.2	156.5
Beverages	160.2	163.6	179.5	190.7	153.3	175.9	188.0	163.0
Carbonated beverages	158.7	165.6	144.4	151.8	168.6	132.8	163.1	180.0
Breweries	146.4	147.6	147.2	156.3	135.0	146.2	157.1	154.0
Distilleries	194.8	200.1	286.1	320.3	182.0	293.9	290.9	168.8
Tobacco and tobacco products ..	182.0	193.6	207.7	209.1	175.9	212.4	220.3	184.2
Rubber products	143.3	145.7	167.8	167.5	155.8	186.9	195.5	164.8
Leather products	111.8	123.8	128.7	132.0	118.9	126.4	129.9	114.4
Boots and shoes	123.7	134.3	136.2	139.2	121.0	132.4	137.2	114.4
Textiles	122.5	134.6	144.4	146.8	142.4	154.2	157.8	144.3
Cotton goods	89.6	98.8	114.8	113.4	102.6	114.1	109.7	97.2
Wool goods	78.5	80.3	85.1	88.5	78.2	93.4	89.6	81.7
Synthetic textiles and silk ..	187.6	219.5	229.5	236.7	242.0	253.1	274.2	245.5
Clothing	107.9	107.1	108.9	108.0	102.4	111.1	108.9	102.9
Men's, women's and children's clothing	109.4	110.3	108.8	105.4	99.8	113.7	109.3	104.1
Knitting mills	103.1	101.0	106.1	113.0	105.5	103.9	109.3	100.1

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961			1962		
	1960	1961	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
Paper products	148.4	153.4	163.1	163.4	146.8	167.1	167.3	149.3
Pulp and paper	148.2	153.1	162.7	164.1	145.4	167.1	168.2	146.4
Printing publishing and allied industries	146.5	148.2	157.1	156.5	151.5	160.1	161.7	153.3
Products of petroleum and coal	250.6	258.8	253.3	272.2	267.9	291.9	286.9	286.6
Petroleum products	269.8	279.0	272.6	293.6	289.8	315.8	310.8	310.7
Chemicals and allied products	219.7	222.1	226.9	223.6	212.7	230.5	225.3	215.2
Acids, alkalies, salts and fertilizers	260.8	257.2	253.4	252.8	257.5	244.6	244.8	245.5
Miscellaneous manufactures	191.6	213.0	236.5	241.0	233.5	260.1	262.2	252.9
DURABLE MANUFACTURES	146.4	148.4	158.5	159.2	148.6	176.2	174.8	162.4
Wood products	136.0	139.6	141.3	132.9	130.2	153.5	141.4	138.7
Saw and planing mills	141.2	146.2	144.4	132.9	131.1	160.1	143.9	142.1
Veneers and plywoods	267.1	295.4	293.4	309.2	286.9	337.5	334.6	336.5
Sawmills	132.7	134.1	126.4	109.7	111.8	143.8	123.1	123.3
Furniture	141.3	143.6	156.7	155.1	150.3	164.7	161.0	156.0
Iron and steel products	137.3	139.4	147.7	143.2	130.4	160.9	161.1	146.4
Machinery	135.1	133.4	139.8	138.8	137.6	161.5	161.2	159.9
Iron castings	147.8	144.3	147.9	124.4	111.5	136.6	137.2	99.8
Primary iron and steel	162.1	174.0	188.9	179.9	155.3	192.8	206.4	176.7
Sheet metal products	143.5	141.0	148.8	142.3	136.5	171.8	162.3	155.1
Transportation equipment	130.0	129.8	135.2	153.1	145.9	164.7	179.1	172.1
Aircraft and parts	238.4	269.5	272.2	280.5	286.9	245.8	235.4	234.0
Motor vehicles	159.0	157.3	166.7	210.2	191.3	225.2	261.6	243.9
Motor vehicle parts	121.1	121.3	123.9	127.3	127.7	153.2	161.6	166.3
Railway rolling stock	51.2	42.9	43.1	42.4	41.6	40.8	39.6	39.4
Shipbuilding and repairs	143.2	145.2	158.4	157.4	154.7	197.1	193.1	185.4
Non-ferrous metal products	148.3	147.6	152.8	158.2	153.0	145.9	148.7	145.2
Brass and copper products ...	115.2	122.2	132.1	129.2	126.2	126.8	124.4	121.8
Smelting and refining	168.7	165.6	168.9	177.9	171.9	157.3	162.6	159.2
Electrical apparatus and supplies	180.2	182.6	206.7	210.1	203.4	244.4	237.4	220.6
Heavy electrical machinery ..	135.3	132.0	142.3	142.1	141.7	163.9	163.7	163.7
Telecommunication equipment	398.6	428.9	549.4	551.7	528.0	722.8	656.1	532.4
Refrigerators and appliances	176.6	171.3	174.9	189.7	171.0	208.8	216.6	204.9
Non-metallic mineral products	210.9	220.2	262.2	241.5	192.4	292.6	259.8	205.7
Concrete products	511.9	574.1	729.7	618.9	407.1	976.9	763.2	446.2
Hydraulic cement	203.8	214.6	274.1	217.0	133.7	298.0	244.5	196.1
Domestic clay products	152.8	146.2	172.1	158.8	142.6	155.9	151.0	
ELECTRIC POWER AND GAS UTILITIES	298.0	317.7	315.1	339.3	356.1	324.4	357.1	364.7
Electric power	287.4	298.5	304.4	318.0	323.0	309.6	327.0	327.6
Gas	392.7	490.6	411.5	530.6	653.3	457.6	626.6	697.7

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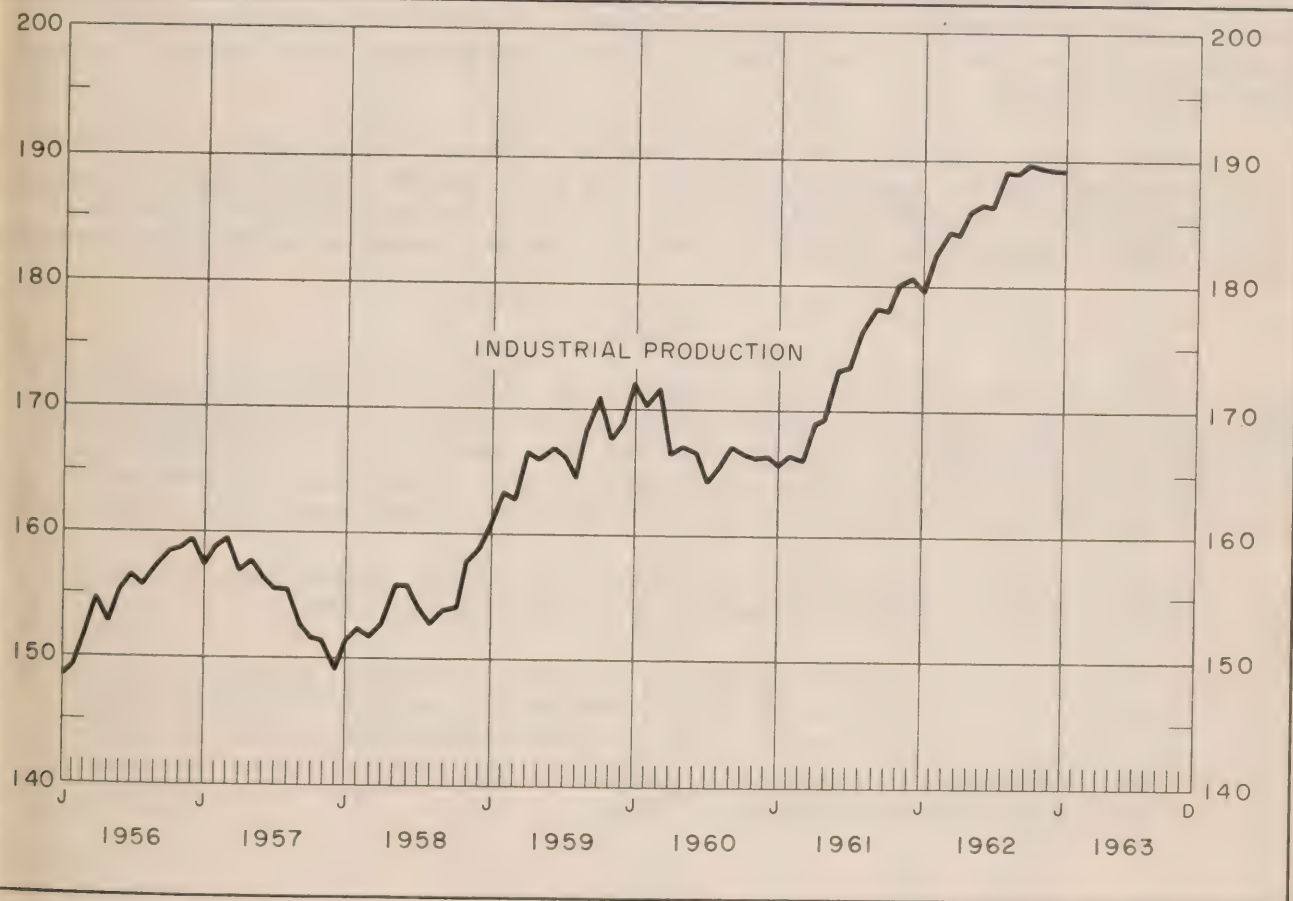
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

January, 1963.

Canada's index of industrial production was unchanged in January.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

March, 1963.
205-502.

The seasonally adjusted index of industrial production for January was unchanged from the revised December level of 189.3 and virtually unchanged since August of last year. With both manufacturing (-0.4%) and mining (-1.0%) lower in January, the total index was held up by a large gain of more than 4% in electric power and gas utilities.

Non-durable manufacturing was off slightly in January with component industries showing only marginal gains and losses. All major group movements were in the order of 1% with the exceptions of a 2% decline in paper products (due to pulp and paper) and an advance of 4% in tobacco products.

In durable manufacturing, which was off by more than one-half of one per cent, electrical apparatus and supplies, non-metallic mineral products, and wood products were lower by 2% each. The latter was due to decreased sawmilling and veneer and plywood production, while in the former two groups, losses were generally spread throughout the components, e.g. telecommunication equipment, refrigerators and appliances, cement, concrete products, etc. Iron and steel products also declined by about 1% mainly as a result of losses in heating and cooking apparatus and wire and wire goods and in spite of slight gains in primary steel and steel castings. Motor vehicles continued strong in January (after a gain of more than 30% in 1962) gaining a further 4%, to bring the transportation equipment index somewhat higher. Non-ferrous metal products were also up by about 1%.

Within mining, losses occurred in metals (-3%) and fuels (-2%). The former group decreased due to widespread declines in gold, copper, nickel and iron ore, while the latter reflected drops in crude petroleum and natural gas. Non-metal mining output was somewhat higher in January, due to increased asbestos production.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.
2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, and the March 1962 supplement to this report for the period 1957 to 1961 inclusive and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962					1963
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.2	189.1	188.8	189.5	189.3	189.3
MINING, TOTAL	10.07	2	297.5	293.1	295.4	292.1	281.2	278.3
Metals	5.97	2	201.5	197.1	189.0	195.7	188.3	183.2
Gold	1.93	5	100.2	104.4	97.2	96.5	96.8	94.8
Copper	1.10	4	198.4	189.2	179.7	189.9	176.4	164.5
Iron ore	0.31	4	651.2	570.9	559.0	564.1	587.3	543.4
Nickel	1.05	4	183.5	179.4	153.4	197.1	189.9	169.1
Non-metals	0.85	5	234.5	222.6	219.6	201.6	208.6	232.0
Asbestos	0.59	4	250.6	226.9	223.4	202.5	212.8	248.7
Fuels	2.84	3	503.4	503.1	527.1	501.7	485.0	475.7
Coal	1.72	6	53.3	45.8	47.3	45.1	46.3	54.8
Natural gas	0.11	2	1186.7	1174.1	1118.6	1020.4	991.2	942.8
Petroleum	1.02	3	1190.2	1203.3	1273.8	1217.1	1171.7	1136.3
MANUFACTURING, TOTAL	84.83	2	166.6	167.7	167.0	168.1	169.7	169.1
NON-DURABLE MANUFACTURES	45.74	2	165.0	165.6	164.4	165.0	166.8	166.5
Foods and beverages	11.83	4	159.8	159.9	153.8	156.6	164.1	164.9
Foods	8.99	4	156.6	155.7	151.6	153.1	158.1	161.6
Meat products	1.62	4	158.2	156.7	156.3	159.9	159.5	148.4
Dairy products	1.40	3	157.1	163.3	154.8	161.7	167.9	166.8
Canning and processing	1.40	4	176.3	167.9	150.9	148.5	168.3	209.9
Grain mill products	1.00	4	135.2	136.7	131.7	131.2	135.5	135.6
Bakery products	1.73	3	154.5	155.4	153.1	152.6	153.9	153.4
Miscellaneous foods	1.83	4	153.3	150.2	155.0	156.2	158.0	154.5
Beverages	2.85	6	170.0	173.1	160.7	167.9	183.1	175.2
Carbonated beverages	0.72	5	162.2	192.5	140.1	185.3	183.7	180.5
Breweries	1.44	6	147.2	150.6	155.5	149.6	173.0	148.3
Distilleries	0.63	6	232.7	205.2	203.8	189.4	208.9	233.9
Tobacco and tobacco products ..	0.77	6	202.9	202.4	208.2	205.7	204.7	213.1
Rubber products	1.33	3	160.8	181.9	174.7	175.8	179.5	181.7
Leather products	1.58	2	124.9	123.6	123.4	128.0	125.0	126.8
Boots and shoes	0.95	3	138.3	135.1	132.5	139.9	132.6	126.8
Textiles	5.04	3	144.0	149.0	149.0	150.5	150.3	149.2
Cotton goods	1.57	4	103.3	102.1	108.7	102.0	108.0	99.7
Wool goods	0.93	3	83.1	94.2	86.2	79.8	83.5	87.0
Synthetic Textiles and Silk	1.33	3	237.4	250.3	248.1	266.2	255.7	258.0
Clothing	5.59	3	110.4	109.6	109.3	108.3	108.9	107.4
Men's, women's and children's clothing	3.45	3	112.5	111.9	113.7	112.6	113.7	111.9

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted						1963
			1962						
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
Paper products	8.22	3	160.8	163.1	159.3	159.9	159.5	156.	
Pulp and paper	6.54	3	160.7	163.9	159.6	160.2	158.3	153.	
Printing publishing and allied industries	3.95	4	156.1	152.4	158.3	157.3	152.3	152.	
Products of petroleum and coal	1.59	3	273.8	276.9	296.3	280.9	285.3	286.	
Petroleum products	1.41	3	294.4	298.1	320.6	304.1	308.2		
Chemicals and allied products	4.22	2	230.9	223.2	223.7	226.3	226.9	225.	
Acids, alkalies, salts and fertilizers	1.07	2	258.1	239.6	244.6	248.0	248.9	247.	
Miscellaneous manufactures	1.62	1	245.3	246.6	246.3	246.3	248.4	254.	
DURABLE MANUFACTURES	39.09	2	168.5	170.3	170.1	171.8	173.2	172.	
Wood products	6.54	2	149.6	156.9	151.7	158.8	160.2	157.	
Saw and planing mills	4.48	3	158.7	169.2	161.6	172.2	173.8	168.	
Veneers and plywoods	0.38	3	333.8	349.1	312.5	348.2	375.6	361.	
Sawmills	3.08	4	145.0	158.8	152.2	164.1	163.1		
Furniture	1.43	1	152.0	152.9	153.5	152.1	153.3	156.	
Iron and steel products	12.49	2	158.5	158.9	156.4	158.1	159.7	157.	
Machinery	2.64	1	149.5	156.4	159.3	159.8	160.1	161.	
Iron castings	1.20	3	154.8	158.4	139.4	135.8	113.4	116.	
Primary iron and steel	2.62	3	213.3	198.3	189.0	200.4	205.0	209.	
Sheet metal products	1.11	1	166.5	165.4	161.8	159.2	156.7	163.	
Transportation equipment	8.23	4	160.6	167.4	168.2	168.9	168.7	172.	
Aircraft and parts	0.63	1	259.7	256.8	248.0	237.1	226.7	222.	
Motor vehicles	3.21	4	208.0	227.4	229.8	231.5	232.3	241.	
Motor vehicle parts	1.43	1	163.6	154.5	156.3	162.6	161.8	161.	
Railway rolling stock	1.93	1	40.5	41.9	40.8	39.5	40.3	40.	
Shipbuilding and repairs	0.81	1	193.3	199.8	204.2	203.8	205.6	208.	
Non-ferrous metal products	4.97	3	150.2	147.1	142.7	145.9	144.8	146.	
Brass and copper products ...	0.75	1	128.0	126.2	124.1	124.8	125.6	126.	
Smelting and refining	3.19	3	165.2	161.5	155.3	160.0	158.4	159.	
Electrical apparatus and supplies	4.40	2	219.1	217.3	226.5	224.2	227.0	223.	
Heavy electrical machinery ..	1.52	1	154.7	155.8	156.1	160.5	163.5	166.	
Telecommunication equipment	0.44	2	526.1	499.7	603.3	572.5	580.4	539.	
Refrigerators and appliances	0.71	3	215.8	218.2	212.4	215.6	224.0	217.	
Non-metallic mineral products	2.46	2	241.9	235.9	249.5	243.9	251.6	246.	
Concrete products	0.30	4	696.4	615.4	774.7	701.5	655.2	647.	
Hydraulic cement	0.36	4	227.8	249.0	227.5	232.9	294.0	277.	
Domestic clay products	0.24	3	137.9	150.2	141.7	136.0	156.0		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	350.4	339.4	340.7	341.9	334.3	349.	
Electric power	4.60	2	317.4	304.8	310.8	313.5	310.5	324.	
Gas	0.51	3	646.1	649.6	608.5	596.8	547.6		

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
	1961	1962	1961		1962		1962	
			Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.2	184.9	173.8	173.9	194.3	181.7	183.1
MINING, TOTAL	266.9	286.4	286.1	267.8	275.3	287.4	272.9	275.4
Metals	191.7	196.4	195.6	177.2	180.5	188.7	176.6	168.4
Gold	107.1	100.0	107.5	106.4	100.6	99.9	96.6	93.5
Copper	170.4	177.2	182.2	165.3	155.1	193.7	172.5	158.7
Iron ore	504.7	604.2	410.6	316.3	312.9	411.8	352.4	299.4
Nickel	183.8	184.2	213.8	188.0	194.8	197.1	189.5	167.7
Non-metals	211.7	222.5	240.4	206.4	194.1	233.9	190.7	201.0
Asbestos	223.4	234.1	252.6	214.1	208.5	243.0	197.7	216.4
Fuels	430.7	480.8	477.7	484.2	516.3	483.7	505.7	535.1
Coal	49.9	48.8	63.2	57.6	57.2	59.3	55.2	63.7
Natural gas	712.0	1001.2	836.0	1024.7	1125.7	1122.4	1169.6	1238.8
Petroleum	1,043.7	1154.7	1139.4	1146.7	1226.3	1131.9	1195.1	1255.6
MANUFACTURING, TOTAL	153.0	165.1	163.6	151.6	149.6	173.4	159.8	159.4
NON-DURABLE MANUFACTURES	157.0	165.0	167.5	154.2	151.4	172.3	157.6	154.6
Foods and beverages	154.2	160.8	168.3	145.6	131.0	168.9	149.4	131.8
Foods	151.2	157.0	161.5	143.2	133.9	162.9	145.0	135.8
Meat products	158.1	159.2	183.4	145.5	163.6	178.8	144.0	156.9
Dairy products	158.3	159.3	140.8	137.7	123.9	141.2	137.7	130.8
Canning and processing	153.8	171.5	163.1	132.7	78.2	168.7	142.4	90.2
Grain mill products	138.3	136.5	147.6	136.7	134.5	139.3	130.2	129.3
Bakery products	149.2	154.1	153.3	148.7	139.2	155.1	151.0	145.5
Miscellaneous foods	146.4	156.1	172.2	151.6	152.6	181.2	156.0	150.1
Beverages	163.6	172.8	190.7	153.3	121.9	188.0	163.0	119.1
Carbonated beverages	165.6	176.3	151.8	168.6	144.3	163.1	180.0	144.2
Breweries	147.6	156.3	156.3	135.0	85.7	157.1	154.0	86.0
Distilleries	200.1	210.0	320.3	182.0	180.5	290.9	168.8	167.5
Tobacco and tobacco products	193.6	203.7	209.1	175.9	195.2	220.3	184.2	195.8
Rubber products	145.7	167.6	167.5	155.8	145.1	195.5	164.8	170.4
Leather products	123.8	126.7	132.0	118.9	130.5	130.0	114.8	126.4
Boots and shoes	134.3	137.7	139.2	121.0	140.8	137.2	114.4	
Textiles	134.6	145.7	146.8	142.4	139.1	157.8	144.2	148.0
Cotton goods	98.8	105.3	113.4	102.6	104.9	109.7	97.2	100.4
Wool goods	80.3	84.9	88.5	78.2	71.0	89.6	81.7	77.7
Synthetic textiles and silk	219.5	243.6	236.7	242.0	233.9	274.2	245.5	261.6
Clothing	107.1	109.8	108.0	102.4	111.1	108.9	103.0	108.3
Men's, women's and children's clothing	110.3	113.5	105.4	99.8	117.7	109.0	104.0	113.9

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961		1962	1962		1963
	1961	1962	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
Paper products	153.4	159.1	163.4	146.8	146.8	167.2	149.0	147.5
Pulp and paper	153.1	158.6	164.1	145.4	147.4	168.2	146.4	146.1
Printing publishing and allied industries	148.2	154.0	156.5	151.5	143.1	161.6	152.5	145.9
Products of petroleum and coal	258.8	271.1	272.2	267.9	269.2	286.9	286.6	294.2
Petroleum products	279.0	294.3	293.6	289.8	298.5	310.8	310.7	
Chemicals and allied products	222.1	231.9	223.6	212.7	222.8	224.8	213.1	219.4
Acids, alkalies, salts and fertilizers	257.2	260.7	252.8	257.5	261.7	244.8	246.4	248.7
Miscellaneous manufactures	213.0	240.5	241.0	233.5	225.3	262.1	254.1	246.5
DURABLE MANUFACTURES	148.4	165.3	159.2	148.6	147.5	174.8	162.4	165.0
Wood products	139.6	151.4	132.9	130.2	134.6	141.2	138.7	142.6
Saw and planing mills	146.2	161.2	132.9	131.1	140.6	143.7	142.1	149.7
Veneers and plywoods	295.4	329.8	309.2	286.9	296.8	334.6	336.5	330.5
Sawmills	134.1	149.6	109.7	111.8	127.1	123.1	123.3	137.1
Furniture	143.6	152.5	155.1	150.3	145.5	160.8	156.4	151.3
Iron and steel products	139.4	152.0	143.2	130.4	131.1	161.0	145.6	151.0
Machinery	133.4	149.1	138.8	137.6	136.6	160.8	158.7	157.1
Iron castings	144.3	135.5	124.4	111.5	91.2	137.2	99.8	125.8
Primary iron and steel	174.0	193.0	179.9	155.3	168.3	206.4	176.7	208.6
Sheet metal products	141.0	158.3	142.3	136.5	134.8	161.6	151.1	146.0
Transportation equipment	129.8	156.1	153.1	145.9	143.8	179.0	171.7	182.1
Aircraft and parts	269.5	260.0	280.5	286.9	287.5	235.4	229.4	226.5
Motor vehicles	157.3	206.9	210.2	191.3	185.0	261.6	243.9	270.1
Motor vehicle parts	121.3	144.0	127.3	127.7	130.0	161.3	165.0	166.7
Railway rolling stock	42.9	41.1	42.4	41.6	41.0	39.5	39.2	38.5
Shipbuilding and repairs	145.2	186.9	157.4	154.7	155.6	193.2	187.1	189.6
Non-ferrous metal products	147.6	148.8	158.2	153.0	151.0	148.8	145.4	143.1
Brass and copper products ...	122.2	126.9	129.2	126.2	124.5	124.4	123.1	122.8
Smelting and refining	165.6	164.1	177.9	171.9	170.4	162.6	159.2	157.1
Electrical apparatus and supplies	182.6	217.3	210.1	203.4	202.8	237.5	221.3	218.1
Heavy electrical machinery ..	132.0	152.0	142.1	141.7	140.7	163.7	163.5	161.8
Telecommunication equipment	428.9	561.4	551.7	528.0	525.6	657.2	534.0	513.2
Refrigerators and appliances	171.3	198.4	189.7	171.0	178.4	216.9	208.3	211.3
Non-metallic mineral products	220.2	241.0	241.5	192.4	171.6	260.8	209.1	187.1
Concrete products	574.1	655.0	618.9	407.1	270.2	763.2	446.2	351.0
Hydraulic cement	214.6	241.0	217.0	133.7	118.4	244.5	196.1	145.9
Domestic clay products	146.2	145.0	158.8	142.6	115.0	151.0	142.0	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	339.3	356.1	378.0	357.1	364.7	396.1
Electric power	298.5	313.1	318.0	323.0	333.0	327.0	327.6	346.7
Gas	490.6	558.2	530.6	653.3	781.9	626.6	697.7	

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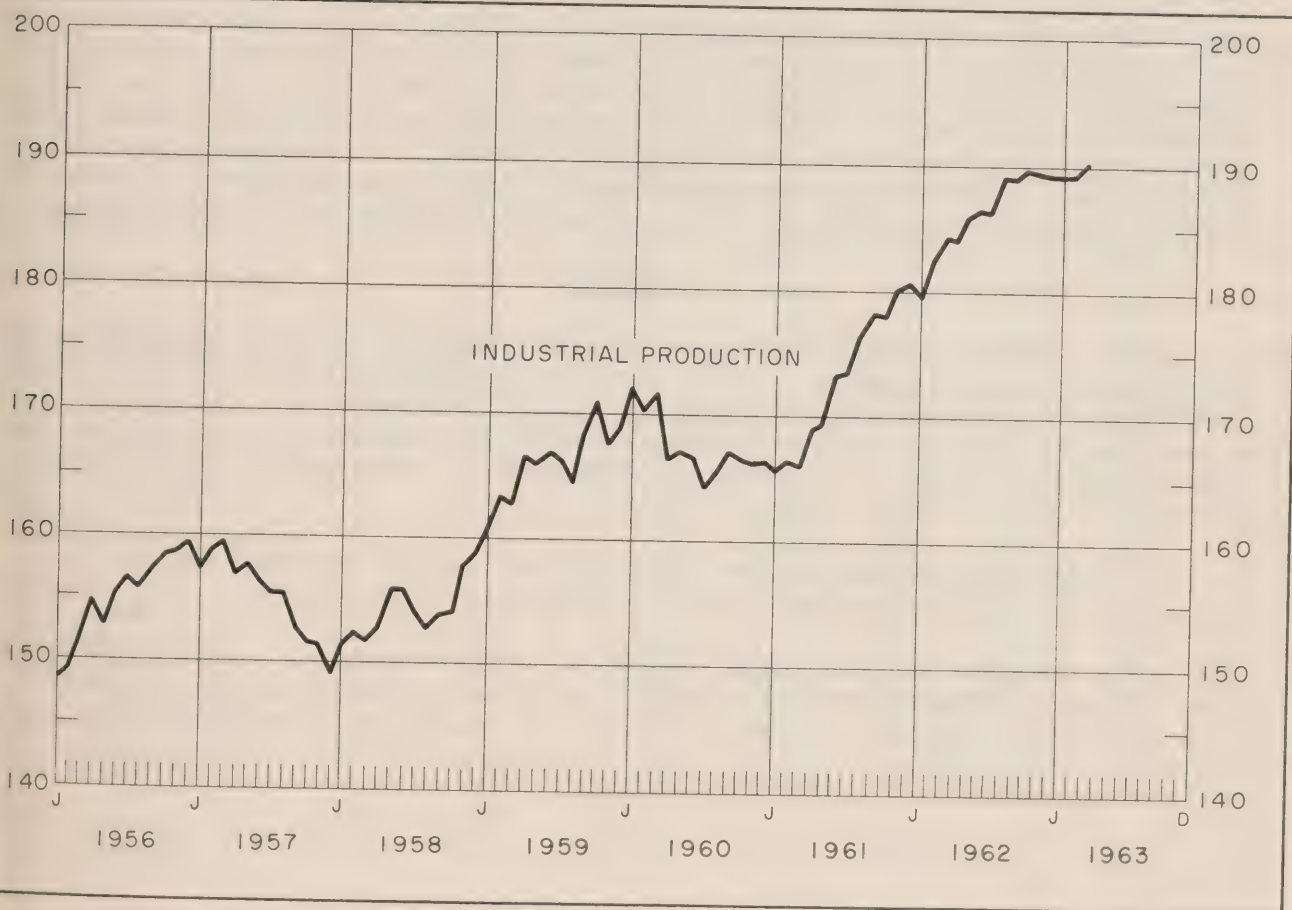
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

February, 1963.

Canada's index of industrial production
was higher by 0.7% in February.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

April, 1963.
2205-502.

The seasonally adjusted index of industrial production was higher by 0.7% in February, with three-quarters of the strength being concentrated in the mining industries, where output advanced by more than 3%. Manufacturing recorded a slight gain during the month, while electric power and gas utilities was largely unchanged.

About two-thirds of the increase in total mining took place in metals, where notable gains occurred in iron ore, nickel and zinc, and lesser ones in gold and lead. The rest of the mining strength emanated in fuels, with all components higher in February. Non-metals were somewhat lower during the month.

The major part of the increase in manufacturing took place in non-durables, which gained 0.5%. Gains of 3% occurred in chemicals, foods and beverages and rubber products, while textiles and tobacco products were also higher in February. Losses were noted in leather products, clothing, printing and publishing, petroleum and paper products, the latter largely reflecting reduced shipments due to newspaper strikes in New York and Cleveland.

The slight increase in durables output was the result of mixed movements in the detail. Approximately 2% increases were recorded in both wood products and iron and steel, the former due to higher sawmills output, and the latter reflecting strength in both iron castings and primary iron and steel. With the first decline in several months in the seasonally adjusted motor vehicles index (-2%), transportation equipment was lower by 1% in February. Elsewhere, drops of 2% and 3% were indicated in non-ferrous metal products and non-metallic mineral products respectively. Electrical apparatus and supplies was slightly higher.

NOTES

1. Table 1 of this report contains seasonally adjusted data for six months of the current period, in order that the user may be able to follow the most recent month-to-month movements in the figures. Table 2 presents data unadjusted for seasonal variation for the last three months of the current period, and for the same months one year ago, in order that the user may make year-to-year comparisons.

2. For a detailed description of concepts, sources and methods see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1962 supplement to this report for the period 1957 to 1961 inclusive, and the regular monthly reports thereafter.

TABLE 1. Industrial Production Indexes
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962			1963		
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.1	188.8	189.5	189.3	189.3	190.7
MINING, TOTAL	10.07	2	293.1	295.4	292.1	281.2	281.1	290.7
Metals	5.97	2	197.1	189.0	195.7	188.3	181.1	192.8
Gold	1.93	5	104.4	97.2	96.5	96.8	95.3	96.6
Copper	1.10	4	189.2	179.7	189.9	176.4	164.5	167.2
Iron ore	0.31	4	570.9	559.0	564.1	587.3	543.4	667.5
Nickel	1.05	4	179.4	153.4	197.1	189.9	169.1	185.2
Non-metals	0.85	5	222.6	219.6	201.6	208.6	229.8	213.2
Asbestos	0.59	4	226.9	223.4	202.5	212.8	244.5	217.0
Fuels	2.84	3	503.1	527.1	501.7	485.0	490.6	505.0
Coal	1.72	6	45.8	47.3	45.1	46.3	54.8	56.2
Natural gas	0.11	2	1174.1	1118.6	1020.4	991.2	1014.8	
Petroleum	1.02	3	1203.3	1273.8	1217.1	1171.7	1170.2	1199.3
MANUFACTURING, TOTAL	84.83	2	167.7	167.0	168.1	169.7	168.7	169.1
NON-DURABLE MANUFACTURES	45.74	2	165.6	164.4	165.0	166.8	165.8	166.6
Foods and beverages	11.83	4	159.9	153.8	156.6	164.1	159.5	163.9
Foods	8.99	4	155.7	151.6	153.1	158.1	155.5	160.5
Meat products	1.62	4	156.7	156.3	159.9	159.5	155.3	164.2
Dairy products	1.40	3	163.3	154.8	161.7	167.9	167.2	165.7
Canning and processing	1.40	4	167.9	150.9	148.5	168.3	164.1	174.0
Grain mill products	1.00	4	136.7	131.7	131.2	135.5	136.4	140.3
Bakery products	1.73	3	155.4	153.1	152.6	153.9	153.7	158.0
Miscellaneous foods	1.83	4	150.2	155.0	156.2	158.0	152.2	156.4
Beverages	2.85	6	173.1	160.7	167.9	183.1	172.0	174.6
Carbonated beverages	0.72	5	192.5	140.1	185.3	183.7	176.7	162.6
Breweries	1.44	6	150.6	155.5	149.6	173.0	150.9	160.7
Distilleries	0.63	6	205.2	203.8	189.4	208.9	217.5	223.0
Tobacco and tobacco products ..	0.77	6	202.4	208.2	205.7	204.7	205.5	221.3
Rubber products	1.33	3	181.9	174.7	175.8	179.5	184.8	190.7
Leather products	1.58	2	123.6	123.4	128.0	125.0	130.3	124.0
Boots and shoes	0.95	3	135.1	132.5	139.9	132.6	142.9	134.6
Textiles	5.04	3	149.0	149.0	150.5	150.3	149.2	150.5
Cotton goods	1.57	4	102.1	108.7	102.0	108.0	99.7	100.6
Wool goods	0.93	3	94.2	86.2	79.8	83.5	87.0	89.1
Synthetic Textiles and Silk	1.33	3	250.3	248.1	266.2	255.7	258.0	260.8
Clothing	5.59	3	109.6	109.3	108.3	108.9	115.1	111.8
Men's, women's and children's clothing	3.45	3	111.9	113.7	112.6	113.7	113.9	108.1

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962				1963	
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Paper products	8.22	3	163.1	159.3	159.9	159.5	156.8	153.4
Pulp and paper	6.54	3	163.9	159.6	160.2	158.3	154.1	151.4
Printing publishing and allied industries	3.95	4	152.4	158.3	157.3	152.3	153.1	151.9
Products of petroleum and coal	1.59	3	276.9	296.3	280.9	285.3	283.4	278.2
Petroleum products	1.41	3	298.1	320.6	304.1	308.2	306.2	298.8
Chemicals and allied products	4.22	2	223.2	223.7	226.3	226.9	227.1	233.3
Acids, alkalies, salts and fertilizers	1.07	2	239.6	244.6	248.0	248.9	255.4	259.0
Miscellaneous manufactures	1.62	1	246.6	246.3	246.3	248.4	241.5	240.1
DURABLE MANUFACTURES	39.09	2	170.3	170.1	171.8	173.2	172.0	172.1
Wood products	6.54	2	156.9	151.7	158.8	160.2	157.1	160.4
Saw and planing mills	4.48	3	169.2	161.6	172.2	173.8	167.9	172.6
Veneers and plywoods	0.38	3	349.1	312.5	348.2	375.6	359.5	350.8
Sawmills	3.08	4	158.8	152.2	164.1	163.1	156.0	163.1
Furniture	1.43	1	152.9	153.5	152.1	153.3	156.4	156.4
Iron and steel products	12.49	2	158.9	156.4	158.1	159.7	157.9	160.4
Machinery	2.64	1	156.4	159.3	159.8	160.1	160.6	162.0
Iron castings	1.20	3	158.4	139.4	135.8	113.4	132.4	145.4
Primary iron and steel	2.62	3	198.3	189.0	200.4	205.0	207.4	210.5
Sheet metal products	1.11	1	165.4	161.8	159.2	156.7	157.0	160.1
Transportation equipment	8.23	4	167.4	168.2	168.9	168.7	174.2	172.2
Aircraft and parts	0.63	1	256.8	248.0	237.1	226.7	225.3	226.3
Motor vehicles	3.21	4	227.4	229.8	231.5	232.3	241.2	236.1
Motor vehicle parts	1.43	1	154.5	156.3	162.6	161.8	170.2	171.5
Railway rolling stock	1.93	1	41.9	40.8	39.5	40.3	42.1	41.4
Shipbuilding and repairs	0.81	1	199.8	204.2	203.8	205.6	209.5	209.2
Non-ferrous metal products	4.97	3	147.1	142.7	145.9	144.8	146.0	142.7
Brass and copper products ...	0.75	1	126.2	124.1	124.8	125.6	127.1	128.2
Smelting and refining	3.19	3	161.5	155.3	160.0	158.4	159.5	154.0
Electrical apparatus and supplies	4.40	2	217.3	226.5	224.2	227.0	219.6	220.7
Heavy electrical machinery ..	1.52	1	155.8	156.1	160.5	163.5	161.1	161.2
Telecommunication equipment	0.44	2	499.7	603.3	572.5	580.4	534.3	521.6
Refrigerators and appliances	0.71	3	218.2	212.4	215.6	224.0	208.4	212.9
Non-metallic mineral products	2.46	2	235.9	249.5	243.9	251.6	242.9	235.1
Concrete products	0.30	4	615.4	774.7	701.5	655.2	647.6	584.2
Hydraulic cement	0.36	4	249.0	227.5	232.9	294.0	277.9	260.6
Domestic clay products	0.24	3	150.2	141.7	136.0	156.0	136.4	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	339.4	340.7	341.9	334.3	351.8	352.0
Electric power	4.60	2	304.8	310.8	313.5	310.5	324.9	324.9
Gas	0.51	3	649.6	608.5	596.8	547.6	593.1	

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961		1962		1962	
	1961	1962	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.2	173.8	173.9	182.6	181.7	183.0	190.6
MINING, TOTAL	266.9	286.4	267.8	275.3	279.9	272.9	276.7	287.0
Metals	191.7	196.4	177.2	180.5	179.7	176.6	168.6	175.3
Gold	107.1	100.0	106.4	100.6	102.5	96.6	94.0	78.1
Copper	170.4	177.2	165.3	155.1	165.8	172.5	158.7	158.8
Iron ore	504.7	504.2	316.3	312.9	282.6	352.4	299.4	328.4
Nickel	183.8	184.2	188.0	194.8	185.7	189.5	167.7	181.1
Non-metals	211.7	222.5	206.4	194.1	212.4	190.7	201.0	203.1
Asbestos	223.4	234.1	214.1	208.5	236.0	197.7	216.4	220.3
Fuels	430.7	480.8	484.2	516.3	523.0	505.7	539.5	558.3
Coal	49.9	48.8	57.6	57.2	52.3	55.2	63.7	60.9
Natural gas	712.0	1001.2	1024.7	1125.7	1189.7	1169.6	1352.7	
Petroleum	1,043.7	1154.7	1146.7	1226.3	1246.3	1195.1	1255.6	1307.2
MANUFACTURING, TOTAL	153.0	165.1	151.6	149.6	159.0	159.8	158.8	166.3
NON-DURABLE MANUFACTURES	157.0	165.0	154.2	151.4	159.9	157.6	155.0	162.5
Food and beverages	154.2	160.8	145.6	131.0	137.1	149.4	130.3	139.2
Food	151.2	157.0	143.2	133.9	135.7	145.0	133.8	138.4
Meat products	158.1	159.2	145.5	163.6	160.7	144.0	156.9	159.9
Dairy products	158.3	159.3	137.7	123.9	133.0	137.7	131.1	137.7
Canning and processing	153.8	171.5	132.7	78.2	84.5	142.4	79.3	87.3
Grain mill products	138.3	136.5	136.7	134.5	135.3	130.2	129.8	137.8
Bakery products	149.2	154.1	148.7	139.2	138.5	151.0	145.9	145.0
Miscellaneous foods	146.4	156.1	151.6	152.6	152.5	156.0	147.7	152.9
Beverages	163.6	172.8	153.3	121.9	141.5	163.0	119.2	141.9
Carbonated beverages	165.6	176.3	168.6	144.3	157.8	180.0	144.2	137.6
Breweries	147.6	156.3	135.0	85.7	123.1	154.0	86.0	127.6
Distilleries	200.1	210.0	182.0	180.5	169.4	168.8	167.5	183.3
Tobacco and tobacco products	193.6	203.7	175.9	195.2	204.1	184.2	195.8	224.6
Rubber products	145.7	167.6	155.8	145.1	167.3	164.8	170.4	202.1
Leather products	123.8	126.7	118.9	130.5	140.6	114.8	130.6	136.8
Boots and shoes	134.3	137.7	121.0	140.8	158.6	114.4	143.0	155.6
Textiles	134.6	145.7	142.4	139.1	153.3	144.2	148.0	159.8
Cotton goods	98.8	105.3	102.6	104.9	118.1	97.2	100.4	109.0
Wool goods	80.3	84.9	78.2	71.0	81.8	81.7	77.7	89.5
Synthetic textiles and silk	219.5	143.6	242.0	233.9	264.7	245.5	261.6	287.7
Clothing	107.1	109.8	102.4	111.1	116.2	103.0	115.5	119.7
Men's, women's and children's clothing	110.3	113.5	99.8	117.7	123.9	104.0	115.9	118.8

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual Average		Without seasonal adjustment					
			1961		1962		1962	
	1961	1962	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
Paper products	153.4	159.1	146.8	146.8	155.4	149.0	147.9	151.1
Pulp and paper	153.1	158.6	145.4	147.4	158.3	146.4	146.4	151.7
Printing publishing and allied industries	148.2	154.0	151.5	143.1	153.7	152.5	146.2	151.2
Products of petroleum and coal	258.8	271.1	267.9	269.2	277.1	286.6	288.3	286.9
Petroleum products	279.0	294.3	289.8	298.5	300.0	310.7	312.6	309.3
Chemicals and allied products	222.1	231.9	212.7	222.8	231.4	213.1	223.2	232.0
Acids, alkalies, salts and fertilizers	257.2	260.7	257.5	261.7	260.2	246.4	256.9	254.6
Miscellaneous manufactures	213.0	240.5	233.5	225.3	224.9	254.1	234.3	232.2
DURABLE MANUFACTURES	148.4	165.3	148.6	147.5	157.9	162.4	163.3	170.8
Wood products	139.6	151.4	130.2	134.6	151.9	138.7	143.1	164.1
Saw and planing mills	146.2	161.2	131.1	140.6	165.2	142.1	150.1	181.4
Veneers and plywoods	295.4	329.8	286.9	296.8	343.0	336.5	334.3	375.4
Sawmills	134.1	149.6	111.8	127.1	158.2	123.3	137.1	177.6
Furniture	143.6	152.5	150.3	145.5	143.2	156.4	151.1	148.7
Iron and steel products	139.4	152.0	130.4	131.1	141.6	145.6	146.4	156.4
Machinery	133.4	149.1	137.6	136.6	137.2	158.7	156.7	156.8
Iron castings	144.3	135.5	111.5	91.2	128.0	99.8	125.8	159.9
Primary iron and steel	174.0	193.0	155.3	168.3	184.0	176.7	189.8	205.9
Sheet metal products	141.0	158.3	136.5	134.8	136.5	151.1	143.7	146.0
Transportation equipment	129.8	156.1	145.9	143.8	156.3	171.7	183.4	184.6
Aircraft and parts	269.5	260.0	286.9	287.5	284.0	229.4	229.1	231.5
Motor vehicles	157.3	206.9	191.3	185.0	213.1	243.9	270.1	269.2
Motor vehicle parts	121.3	144.0	127.7	130.0	132.9	165.0	170.2	171.5
Railway rolling stock	42.9	41.1	41.6	41.0	40.9	39.2	40.0	39.9
Shipbuilding and repairs	145.2	186.9	154.7	155.6	167.5	187.1	190.9	203.3
Non-ferrous metal products	147.6	148.8	153.0	151.0	150.8	145.4	143.1	143.2
Brass and copper products ...	122.2	126.9	126.2	124.5	124.3	123.1	123.4	124.7
Smelting and refining	165.6	164.1	171.9	170.4	170.1	159.2	157.1	157.1
Electrical apparatus and supplies	182.6	217.3	203.4	202.8	209.8	221.3	214.9	220.6
Heavy electrical machinery ..	132.0	152.0	141.7	140.7	139.2	163.5	156.6	154.4
Telecommunication equipment	428.9	561.4	528.0	525.6	580.3	534.0	508.7	552.8
Refrigerators and appliances	171.3	198.4	171.0	178.4	191.8	208.3	202.6	221.4
Non-metallic mineral products	220.2	241.0	192.4	171.6	183.2	209.1	183.9	182.4
Concrete products	574.1	655.0	407.1	270.2	329.0	446.2	351.0	350.5
Hydraulic cement	214.6	241.0	133.7	118.4	136.6	196.1	145.9	138.1
Domestic clay products	146.2	145.0	142.6	115.0	119.8	142.0	106.7	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	356.1	378.0	383.1	364.7	400.3	404.5
Electric power	298.5	313.1	323.0	333.0	333.1	327.6	346.7	345.4
Gas	490.6	558.2	653.3	781.9	832.1	697.7	880.7	

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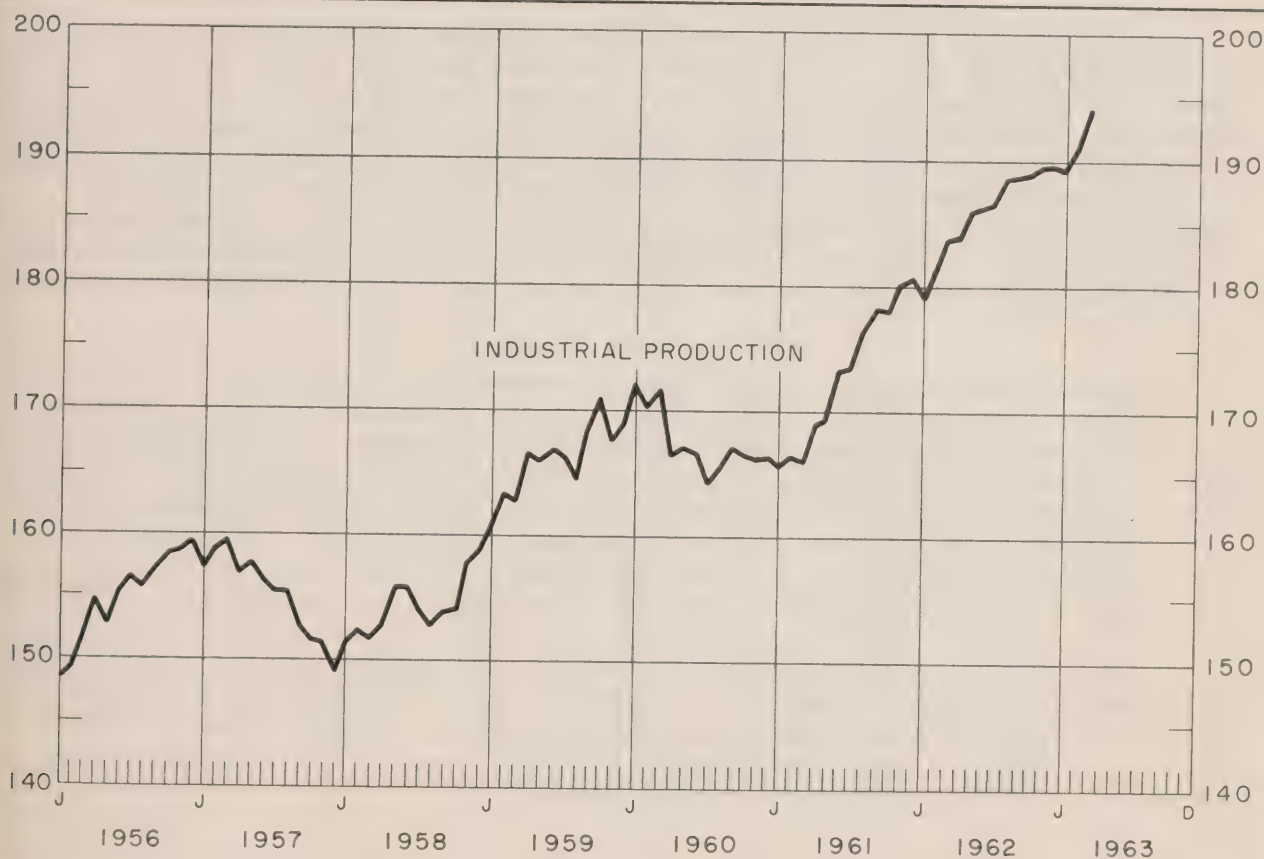
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

March, 1963.

Canada's index of industrial production was
higher by 1.6% in March



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

May, 1963
2205-502

The seasonally adjusted index of industrial production was higher by 1.6% in March, with particular strength evident in mining (+2.8%) and non-durable manufactures (+3.1%). Both durables and electric power and gas utilities were virtually unchanged during the month.

(It should be noted that the Supplement attached to this month's report contains revisions back to January, 1962. These changes are due to more up-to-date output per manhour adjustment ratios, revised seasonal adjustments where necessary, and revisions to original data. The changes are of little importance to the total index but are, of course, more significant at the component level. In addition to the 1962 revisions the Supplement contains a record of production indexes that ties in with the most recent Index of Industrial Production reference paper (D.B.S. Catalogue No. 61-502). It also contains a number of tables drawing together the Index and its major components for the period back to 1919.)

In March, the strength in non-durables was very broadly-based with all groups increasing with the exception of tobacco products which showed a slight drop. Clothing was higher by 1%, while 2% gains occurred in foods and beverages, textiles, and printing and publishing. Output of petroleum products was higher by almost 8%. Chemicals gained 4% during the month, largely due to a resumption of operations in the acids, alkalies, salts and fertilizers industry following the settlement of a major labour dispute. Paper products advanced by 6% and followed announcements in March of the imminent settlement of the American newspaper strikes. Rubber products were also somewhat higher during the month.

In durables, both wood products and transportation equipment were lower by 2%, the latter reflecting among other things a decline of 2% in motor vehicles from the high levels of the past several months. Non-ferrous metal products also dropped slightly during the month. On the other hand, 1% gains were recorded in electrical apparatus and supplies, non-metallic mineral products, and iron and steel. The latter was mainly due to a large gain in iron castings and a smaller increase in primary iron and steel. The gain was the fourth consecutive monthly increase in primary steel production.

The increase in mining was reflected in both metals (+4%) and fuels (+3%), with non-metals lower by about 1%. Within metals, increases were notable in iron ore, lead and miscellaneous metals (including uranium). Fuels featured another increase in crude petroleum along with a small gain in natural gas. Non-metals were slightly lower during March.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962			1963		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.1	189.6	189.7	189.4	191.2	194.3
MINING, TOTAL	10.07	2	296.2	291.9	283.6	281.1	291.7	299.9
Metals	5.97	2	189.5	193.2	193.2	183.5	195.8	202.9
Gold	1.93	5	97.2	96.5	97.4	95.3	96.6	95.1
Copper	1.10	4	179.7	181.4	178.8	164.5	167.2	170.0
Iron ore	0.31	3	595.8	613.7	643.3	590.6	723.8	795.5
Nickel	1.05	4	153.4	197.1	189.9	169.1	185.2	186.5
Non-metals	0.85	5	225.6	210.9	204.6	229.8	213.2	210.5
Asbestos	0.59	5	234.1	219.9	212.8	244.5	217.0	216.8
Fuels	2.84	3	527.1	503.3	484.5	485.2	502.3	517.2
Coal	1.72	6	47.3	45.1	46.3	54.8	56.4	51.7
Natural gas	0.11	2	1118.6	1062.9	1054.0	1014.8	1081.6	1086.6
Petroleum	1.02	3	1273.8	1217.1	1163.4	1155.2	1193.2	1242.1
MANUFACTURING, TOTAL	84.83	3	167.3	168.3	169.9	168.7	169.5	172.3
NON-DURABLE MANUFACTURES	45.74	3	164.9	165.4	167.4	165.9	167.5	172.7
Foods and beverages	11.83	4	154.7	156.6	163.6	159.3	164.4	167.7
Foods	8.99	4	152.8	153.0	157.4	155.3	161.1	163.6
Meat products	1.62	4	156.3	159.9	159.5	154.6	164.2	167.1
Dairy products	1.40	3	154.8	161.7	164.5	167.2	165.7	164.2
Canning and processing	1.40	4	158.7	148.2	163.0	164.1	177.9	184.6
Grain mill products	1.00	4	133.5	133.0	137.3	136.4	141.2	142.8
Bakery products	1.73	3	146.5	145.9	147.1	153.8	156.6	156.5
Miscellaneous foods	1.83	4	160.1	161.4	162.9	152.1	157.2	162.3
Beverages	2.85	6	160.7	167.9	183.1	172.0	174.9	180.5
Carbonated beverages	0.72	6	140.1	185.3	183.7	176.7	162.6	179.3
Breweries	1.44	6	155.5	149.6	173.0	150.9	160.7	163.1
Distilleries	0.63	6	203.8	189.4	208.9	217.5	223.0	225.0
Tobacco and tobacco products ..	0.77	6	208.2	205.7	204.7	205.5	221.3	218.3
Rubber products	1.33	3	174.7	175.8	179.5	184.8	190.7	205.7
Leather products	1.58	2	123.4	128.0	124.9	130.4	126.8	127.3
Boots and shoes	0.95	4	132.5	139.9	132.6	142.9	134.6	
Textiles	5.04	3	150.3	151.9	149.6	149.2	150.4	153.8
Cotton goods	1.57	4	108.7	102.0	100.8	99.7	100.6	101.4
Wool goods	0.93	3	86.2	79.8	83.5	87.0	89.1	85.9
Synthetic Textiles and Silk ..	1.33	3	248.1	266.2	255.7	258.0	260.8	274.2
Clothing	5.59	3	113.4	112.8	115.7	115.0	111.7	113.2
Men's, women's and children's clothing	3.45	4	113.1	112.0	115.8	113.9	108.2	108.4

TABLE 1. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962			1963		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Paper products	8.22	3	159.3	159.9	159.5	156.8	153.2	161.8
Pulp and paper	6.54	3	159.6	160.2	158.3	154.1	151.4	160.8
Printing publishing and allied industries	3.95	4	153.1	153.4	152.3	153.1	152.5	154.9
Products of petroleum and coal	1.59	3	296.3	280.9	285.9	284.1	282.1	303.4
Petroleum products	1.41	3	320.6	304.1	308.8	306.2	303.2	328.2
Chemicals and allied products	4.22	2	225.9	228.9	229.7	227.5	238.8	247.2
Acids, alkalies, salts and fertilizers	1.07	2	253.1	258.0	260.1	255.2	277.9	299.5
Miscellaneous manufactures	1.62	1	241.9	241.4	240.4	241.2	240.7	243.4
DURABLE MANUFACTURES	39.09	3	170.2	171.6	172.8	172.1	172.0	171.8
Wood products	6.54	2	154.4	159.1	160.3	157.0	159.9	156.9
Saw and planing mills	4.48	3	165.3	172.2	173.7	167.9	172.8	168.5
Veneers and plywoods	0.38	3	327.7	348.2	375.6	359.5	350.8	331.9
Sawmills	3.08	4	155.6	164.1	163.1	156.0	163.1	158.8
Furniture	1.43	2	153.5	152.1	153.3	155.9	154.0	154.5
Iron and steel products	12.49	2	156.4	158.1	158.6	157.6	159.7	161.9
Machinery	2.64	1	159.3	159.8	160.1	159.4	159.9	159.6
Iron castings	1.20	3	139.4	135.8	113.4	132.4	145.4	160.2
Primary iron and steel	2.62	2	189.0	200.4	205.0	207.4	210.5	211.9
Sheet metal products	1.11	1	159.5	156.5	153.4	157.6	160.7	161.4
Transportation equipment	8.23	4	169.1	170.1	170.5	174.2	171.3	168.7
Aircraft and parts	0.63	1	248.0	237.1	226.7	226.1	227.6	224.8
Motor vehicles	3.21	4	229.8	231.5	232.3	241.2	236.1	231.1
Motor vehicle parts	1.43	2	160.5	167.4	170.0	169.9	170.3	168.3
Railway rolling stock	1.93	1	41.8	40.9	42.1	42.1	40.9	40.7
Shipbuilding and repairs	0.81	1	204.2	203.8	205.7	209.5	203.0	202.3
Non-ferrous metal products	4.97	3	142.7	145.9	146.2	150.4	146.6	145.5
Brass and copper products ...	0.75	1	124.1	124.8	125.6	127.1	127.9	128.7
Smelting and refining	3.19	3	155.3	160.0	160.5	166.4	160.1	157.6
Electrical apparatus and supplies	4.40	2	221.3	219.7	222.8	216.4	220.6	222.2
Heavy electrical machinery ..	1.52	1	152.8	156.8	159.4	160.9	160.6	160.7
Telecommunication equipment	0.44	3	563.4	540.2	552.5	501.3	520.2	529.8
Refrigerators and appliances	0.71	3	212.4	215.6	224.0	208.4	213.4	217.5
Non-metallic mineral products	2.46	2	249.6	244.5	250.5	242.7	232.3	234.9
Concrete products	0.30	4	774.7	701.5	655.2	647.6	584.2	600.6
Hydraulic cement	0.36	5	227.5	232.9	294.0	277.9	260.6	235.0
Domestic clay products	0.24	3	147.5	148.3	154.6	136.4	127.5	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	340.7	341.9	334.4	351.7	353.4	352.9
Electric power	4.60	2	310.8	313.5	310.5	324.9	324.9	323.7
Gas	0.51	3	608.5	596.9	548.3	591.6	609.2	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	173.3	181.9	182.4	183.2	191.1	192.4
MINING, TOTAL	266.9	287.4	275.1	279.5	277.9	277.9	287.0	287.6
Metals	191.7	197.7	180.9	180.1	180.8	169.9	176.7	182.3
Gold	107.1	100.1	100.6	102.5	102.6	94.0	98.1	95.9
Copper	169.5	176.7	153.6	164.4	169.1	158.7	158.8	165.9
Iron ore	504.7	632.5	326.8	294.5	317.2	325.4	356.1	437.5
Nickel	183.8	184.2	194.8	185.7	198.7	167.7	181.1	184.6
Non-metals	211.7	222.5	194.1	212.4	224.8	201.0	203.1	210.1
Asbestos	223.4	234.1	208.5	236.0	248.9	216.4	220.3	228.3
Fuels	430.7	480.8	516.0	522.9	507.2	540.8	555.2	540.4
Coal	49.9	48.8	57.2	52.3	51.7	63.7	61.1	48.2
Natural gas	712.0	1,005.7	1117.1	1190.2	1080.0	1352.7	1384.4	1282.2
Petroleum	1,043.7	1,154.0	1226.2	1246.1	1214.9	1259.2	1300.6	1291.8
MANUFACTURING, TOTAL	153.0	164.9	148.9	158.2	160.1	158.9	166.7	169.7
NON-DURABLE MANUFACTURES	157.0	164.8	150.5	159.0	160.3	155.0	163.2	168.3
Foods and beverages	154.2	158.9	128.3	134.6	139.9	130.1	139.5	145.3
Foods	151.2	154.8	131.5	133.4	134.9	133.6	138.7	139.5
Meat products	158.1	159.2	163.6	160.7	165.1	156.1	159.9	161.8
Dairy products	158.3	159.3	123.9	133.0	143.6	131.1	137.7	147.8
Canning and processing	153.8	164.7	76.9	83.2	74.3	79.3	89.3	81.1
Grain mill products	138.6	137.5	134.8	135.7	139.7	129.8	138.7	140.6
Bakery products	149.2	145.4	133.7	133.1	135.9	145.9	143.7	144.4
Miscellaneous foods	146.4	158.3	146.9	146.9	144.3	147.5	153.6	153.0
Beverages	163.6	171.9	118.3	138.5	155.6	119.2	142.2	163.6
Carbonated beverages	165.6	173.0	129.8	145.8	138.5	144.2	137.6	137.2
Breweries	147.6	156.3	85.7	123.1	150.1	86.0	127.6	160.5
Distilleries	200.1	210.0	180.5	169.4	193.6	167.5	183.3	206.5
Tobacco and tobacco products ..	193.6	203.7	195.2	204.1	207.7	195.8	224.6	219.0
Rubber products	145.7	167.6	145.1	167.3	160.2	170.4	202.1	204.9
Leather products	123.8	126.7	130.5	140.6	140.5	130.7	139.7	139.8
Boots and shoes	134.3	137.7	140.8	158.6	158.5	143.0	155.6	
Textiles	134.6	146.6	139.2	153.6	150.4	148.0	159.8	162.0
Cotton goods	98.8	105.3	104.9	118.1	118.6	100.4	109.0	109.6
Wool goods	80.3	84.9	71.0	81.8	76.7	77.7	89.5	84.2
Synthetic textiles and silk ..	219.5	243.6	233.9	264.7	255.1	261.6	287.7	298.3
Clothing	107.1	111.0	107.1	112.4	114.5	115.5	119.6	121.3
Men's, women's and children's clothing	110.3	111.0	111.1	116.9	118.9	115.9	118.9	120.8

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
Paper products	153.4	159.1	146.8	155.4	158.3	147.9	151.0	160.9
Pulp and paper	153.1	158.6	147.4	158.3	159.7	146.4	151.7	162.9
Printing publishing and allied industries	148.2	154.0	143.1	153.7	157.5	146.1	151.8	158.5
Products of petroleum and coal	258.8	272.8	275.6	283.7	260.1	288.9	286.9	297.7
Petroleum products	279.0	294.3	298.5	307.4	280.0	312.6	309.3	321.6
Chemicals and allied products	222.1	233.2	222.8	231.7	232.4	223.7	237.5	241.8
Acids, alkalies, salts and fertilizers	257.2	266.0	261.7	261.2	259.6	256.7	273.2	291.7
Miscellaneous manufactures	213.0	237.2	224.6	223.8	226.1	234.0	232.8	235.4
DURABLE MANUFACTURES	148.4	165.0	147.1	157.3	159.9	163.4	170.8	171.2
Wood products	139.6	151.5	134.6	151.9	154.0	142.9	163.6	162.1
Saw and planing mills	146.7	161.1	140.6	165.2	168.0	150.1	181.5	179.4
Veneers and plywoods	295.4	329.8	296.8	343.0	332.2	334.3	375.4	354.8
Sawmills	134.1	149.6	127.1	158.2	163.1	137.1	177.6	176.4
Furniture	143.6	152.5	145.5	143.2	143.2	150.6	146.5	145.7
Iron and steel products	139.4	152.1	131.1	141.7	144.4	146.1	155.8	159.6
Machinery	133.4	149.1	136.6	137.2	140.5	155.6	154.8	157.2
Iron castings	144.3	135.5	91.2	128.0	144.3	125.8	159.9	175.4
Primary iron and steel	174.0	193.0	168.3	184.0	178.2	189.8	205.9	207.2
Sheet metal products	141.0	157.3	134.8	136.5	140.4	144.2	146.6	149.5
Transportation equipment	129.8	156.7	143.9	156.4	161.5	183.4	183.8	181.1
Aircraft and parts	269.5	260.0	287.5	284.0	280.0	229.9	232.8	230.6
Motor vehicles	157.3	206.9	185.0	213.1	220.6	270.1	269.2	258.8
Motor vehicle parts	121.3	146.6	130.4	133.7	139.4	169.9	170.3	173.3
Railway rolling stock	42.9	41.5	41.0	40.9	41.2	40.0	39.4	39.5
Shipbuilding and repairs	145.2	186.9	155.6	167.5	180.4	190.9	197.3	206.3
Non-ferrous metal products	147.6	148.9	151.0	150.8	150.1	147.4	147.2	145.6
Brass and copper products ...	122.2	126.9	124.5	124.3	126.7	123.4	124.4	126.5
Smelting and refining	165.6	164.2	170.4	170.1	167.8	163.9	163.3	159.6
Electrical apparatus and supplies	182.6	212.9	199.5	205.5	204.8	211.8	220.6	217.7
Heavy electrical machinery ..	132.0	149.8	140.4	138.6	139.6	156.4	153.9	154.1
Telecommunication equipment	428.9	524.1	493.3	540.0	526.0	477.2	551.4	513.9
Refrigerators and appliances	171.3	198.4	178.4	191.8	193.9	202.6	221.9	230.5
Non-metallic mineral products	220.2	240.9	171.1	181.3	188.5	183.7	181.5	189.8
Concrete products	574.1	655.0	270.2	329.0	427.0	351.0	350.5	431.2
Hydraulic cement	214.6	241.9	122.1	137.3	156.1	145.9	138.1	148.5
Domestic clay products	146.2	148.1	115.0	119.8	115.6	106.7	101.0	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	378.0	383.1	363.7	400.0	406.7	382.3
Electric power	298.5	313.1	333.0	333.1	322.5	346.7	345.4	332.4
Gas	490.6	558.3	781.9	832.1	733.6	878.5	957.0	

Catalogue No.

61-005

**ANNUAL SUPPLEMENT TO THE MONTHLY
INDEX OF INDUSTRIAL PRODUCTION, (1949 = 100)**

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Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

May 1963

2205-502

NOTES TO USERS

Tables 1 to 3—The data in Tables 1 to 3 supercede the supplement dated March, 1962, and are an extension of the tabular material contained in "Revised Index of Industrial Production, 1935-1957, (1949=100)", DBS reference paper No. 61-502.

Table 4 to 9 provide an historical record of the monthly Index of Industrial Production back to 1919 thus giving as comparable a set of data as is possible to derive at present on this most volatile segment of the economy. The task of researching the early index records with a view toward achieving consistency and applying more modern work techniques was one part of a project undertaken by the Dominion Bureau of Statistics at the request of the Canadian Political Science Association. The reference document containing all the historical series for production, employment, prices, trade, etc., will be appearing shortly.

Basically, the purpose of the work was to re-seasonally adjust the historical Index of Industrial Production and its major components by electronic computer, using the Census Method II technique. In the process, there emerged both seasonally unadjusted monthly indexes and a new set of annual averages for the period prior to 1935. Data for the period from 1935 to the present remain unchanged and the results of the 1919-35 study are merely linked to that record at 1935.

Although the index is as comparable as possible from 1919 to the present, certain discontinuities, of course, remain. It would be spuriously accurate even to attempt to express the entire period of more than 40 years on a single weight base, because of the vast changes in industrial structure that have taken place since the early 1900's. The series were computed on three different time and weight bases, and it is merely for convenience that the three periods have been mechanically expressed on one reference or time base, 1949.

The period from 1919 to 1935 was computed on a weight-base of 1926=100, using the base-weighted Laspeyres index formula. The manufacturing index for this early period is based on 29 commodity series, while the mining index uses 9 commodity items. In both cases, the weights used are based on gross values. From 1919 to 1934, the utilities component consists solely of central electric stations.

It is because the entire Index of Industrial Production was represented by only 39 monthly commodity series that use of these data in an annual context is discouraged, for the period from 1919 to 1934. Monthly production series should be adjusted to annual levels, as indicated by comprehensive bench-mark studies. Resources did not permit such studies to be undertaken, so that the annual levels in this period are open to question. However, it should be noted that even if bench-mark indexes were available, the month-to-month movements would be substantially the same, but at possibly different levels.

The original 1935-39 -based index was fully described in DBS reference paper No. 34. This document had superceded earlier 1935-39-based material. Later, in 1959, the indexes contained

therein were supplanted by the release of DBS reference paper 61-502, which contained the 1949-based index, linked to the earlier material at 1946 and extended back to 1935, with a few minor revisions as noted in that report. These indexes have now been linked at 1935 to the 1926-based indexes and extended back to 1919. Thus, the 1919 to 1934 period is derived using 1926 weights, the 1935-1945 period using 1935-39 weights, and the period from 1946 to the present using 1949 weights.

The weights used in combining the manufacturing, mining and central electric station aggregates for the 1926-based portion of the study were based on census value added, derived from data contained in the 1959 issue of the "Survey of Production", DBS Catalogue No. 61-202. The commodity weights used to obtain the major components are available on request.

It is to be noted that beginning in 1935, a split of manufacturing into its durable and non-durable components is made. It was not felt desirable to attempt this breakdown prior to 1935, since the index of manufacturing for the period from 1919 to 1934 is essentially one of commodity output, rather than industry output.

The level of seasonal adjustment differs as between the three time periods covered by this study. The seasonally adjusted Index of Industrial Production for the period from 1919 to 1934 is the weighted summation of manufacturing, mining and central electric stations. From 1935 to 1945 inclusive, it is the summation of seasonally adjusted durables, non-durables, mining and utilities. From 1946 to date, the total index has been broken into almost 100 components for purposes of seasonal adjustment, many of which are published regularly. This difference in level alone should contribute no significant inconsistency to this long-term study.

There are a few other qualifications that should be indicated to users of these long-term series. Generally speaking, however, these are of lesser import than those already mentioned. For example, the period beginning in 1935 contains adjustments for calendar variation. Prior to 1935, these adjustments were not made. However, to the extent that calendar variation is seasonal in nature, it will be removed by the seasonal adjustment technique.

Beginning in 1946, all the production indexes are modified where necessary to remove the more direct effects of major labour disputes and other known irregulars from the seasonal factors. Such changes are intended to facilitate the derivation of more normal seasonal patterns; the original irregular-affected data are then adjusted using these modified seasonal factors. Prior to 1946, the relevant information on which to base such prior corrections was not readily available and resources did not permit the necessary research.

One final general note of caution should be sounded to analysts using these series. In the years covered by these indexes, gradual but altogether considerable improvements have been made in the collection of statistics. The quantitative effect of these improvements is as difficult to estimate as would be an attempt to make them retroactive.

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962

	Index of Industrial Production	Mining									
		Mining total	Metals					Non-metals		Fuels	
			Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
Adjusted for seasonal variation											
1956 D	159.3	220.1	147.6	107.3	336.3	132.2	140.2	172.6	168.8	387.6	70.0
1957 J	157.2	219.3	152.5	104.4	428.7	122.0	148.7	187.9	188.0	366.9	65.6
F	158.9	223.6	160.9	107.9	441.7	140.7	144.7	189.8	190.3	357.3	71.2
M	159.5	228.6	163.6	108.5	480.7	132.1	146.4	180.9	186.4	364.8	65.9
A	156.9	232.0	162.7	106.1	454.0	131.8	144.7	186.6	187.4	386.4	67.5
M	157.7	239.3	163.4	106.8	448.0	124.6	146.6	184.9	188.9	412.3	64.9
J	156.4	234.8	166.1	105.8	472.6	126.2	146.9	189.7	191.7	387.6	64.9
J	155.4	225.1	166.9	105.3	468.1	121.9	148.0	176.0	183.6	357.7	61.4
A	155.3	227.1	172.3	105.2	448.1	137.3	153.9	169.2	171.0	355.7	64.5
S	152.9	229.1	178.2	107.4	460.3	150.0	150.2	174.0	181.8	347.6	65.1
O	151.8	225.4	177.7	108.1	454.8	141.3	147.7	172.3	182.7	336.5	68.7
N	151.3	215.4	177.8	106.5	353.5	159.3	140.6	163.0	173.8	303.2	62.0
D	149.1	232.2	192.9	107.9	602.6	153.7	143.4	182.1	193.2	322.1	62.0
1958 J	151.3	231.5	186.3	108.8	430.9	148.4	149.2	159.9	166.2	334.6	61.5
F	152.2	234.9	187.7	110.0	416.1	146.7	152.2	170.6	176.6	349.0	62.8
M	151.8	228.8	183.1	112.5	317.4	145.8	143.8	164.5	167.1	331.7	58.0
A	152.5	227.1	190.9	109.4	382.1	154.1	143.4	155.6	161.5	311.2	58.4
M	155.7	231.0	187.7	108.4	299.2	152.4	137.5	157.6	160.5	326.3	56.6
J	155.7	229.7	194.0	112.3	319.0	151.3	138.9	159.8	165.9	313.6	54.9
J	153.9	220.4	175.7	109.9	317.0	145.0	119.5	162.5	171.6	320.1	55.7
A	152.6	220.2	178.9	111.3	306.9	140.7	119.8	171.5	180.0	309.0	39.8
S	153.8	229.3	186.1	108.6	324.7	122.5	113.3	181.1	192.0	322.5	52.2
O	153.9	217.1	162.0	109.0	296.6	101.7	34.9	199.1	205.6	323.0	56.0
N	157.8	225.1	167.7	108.5	256.9	92.1	30.7	184.8	194.7	346.9	56.7
D	158.7	224.6	163.6	107.0	316.0	85.5	31.4	169.5	168.4	361.9	60.7
1959 J	160.7	236.5	178.3	108.0	347.2	111.4	73.1	175.5	175.0	367.7	59.0
F	163.1	246.0	196.4	109.2	366.4	138.5	122.5	187.9	188.3	353.9	45.9
M	162.7	246.4	198.5	108.3	427.4	140.4	136.8	191.6	189.1	352.2	44.2
A	166.7	250.1	208.4	108.3	502.1	152.2	146.6	184.9	181.8	343.7	58.6
M	166.0	245.3	200.8	113.1	432.1	151.1	151.6	184.8	186.1	347.3	39.4
J	167.0	247.3	189.6	100.7	423.4	164.2	153.5	217.4	222.2	367.5	47.9
J	166.2	247.4	206.1	110.6	388.0	167.9	149.8	203.2	207.1	334.4	57.1
A	164.8	246.0	196.7	105.3	403.8	163.3	150.3	183.4	184.4	359.8	48.0
S	168.3	263.5	205.6	106.8	459.0	157.1	154.6	186.5	182.7	399.6	57.1
O	171.0	258.8	209.2	107.7	486.3	164.9	162.4	193.3	195.6	373.4	54.0
N	167.8	264.1	221.4	114.9	697.3	159.5	163.9	196.0	202.0	368.7	54.3
D	169.2	257.1	205.7	106.9	400.9	157.0	178.7	176.9	180.6	379.4	53.9
1960 J	172.1	256.5	203.2	110.9	398.0	164.8	159.8	188.1	193.9	383.0	52.6
F	170.2	260.6	223.1	109.0	443.1	171.9	156.3	194.7	201.6	351.7	54.1
M	171.8	263.2	210.0	108.6	437.2	170.5	164.7	190.4	200.0	394.9	63.9
A	166.6	251.5	197.4	104.7	412.2	160.8	164.9	191.1	203.2	380.6	44.4
M	167.2	256.4	192.1	109.2	499.8	174.1	157.4	202.0	214.1	405.7	47.6
J	166.6	249.0	188.6	112.5	438.0	166.6	168.5	194.9	209.1	394.3	53.7
J	164.3	249.7	198.4	114.2	444.4	175.8	168.5	180.4	187.7	371.0	54.6
A	165.6	249.1	195.5	113.1	480.9	174.9	173.1	185.1	194.3	371.1	59.2
S	167.2	255.1	193.5	109.7	344.4	156.7	175.7	192.1	203.5	393.8	60.8
O	166.7	245.6	192.3	113.2	315.3	164.7	167.6	186.5	186.2	365.2	51.8
N	166.1	252.2	191.2	110.4	277.5	173.3	168.8	194.9	196.3	386.8	54.6
D	166.3	248.7	196.3	111.5	465.7	175.9	184.1	203.4	210.5	366.0	44.0
1961 J	165.6	253.8	199.8	110.4	553.5	165.5	170.3	207.5	215.8	370.6	46.0
F	166.7	255.3	200.8	109.3	543.4	161.2	170.1	218.2	239.5	370.9	47.6
M	166.0	243.6	185.5	109.8	483.7	158.9	161.3	204.8	219.0	366.1	46.7
A	169.2	260.2	184.0	111.8	465.4	165.7	157.4	205.8	216.9	426.1	49.1
M	169.4	262.8	184.0	107.5	445.3	166.3	182.1	203.5	222.2	435.4	58.8
J	173.3	264.9	187.6	105.6	439.4	171.9	178.2	216.0	232.7	434.0	58.9
J	173.4	260.1	190.3	103.2	565.0	174.3	192.9	206.9	219.8	414.8	48.6
A	176.4	273.9	188.8	106.6	543.4	173.6	181.9	216.1	228.2	456.7	46.8
S	178.1	281.6	196.0	103.3	489.4	169.6	201.9	207.8	212.5	470.7	51.3
O	177.9	278.4	199.8	101.3	551.5	188.8	206.8	210.7	214.2	450.1	50.7
N	180.1	287.1	196.7	102.6	441.0	179.5	215.3	204.6	207.7	493.8	48.9
D	180.5	273.3	189.2	107.9	537.9	171.8	188.4	226.8	231.2	453.7	49.0
1962 J	179.1	276.2	195.1	101.7	608.6	158.4	196.2	224.9	239.9	458.0	48.5
F	181.4	277.6	191.0	100.4	566.3	165.1	189.5	217.3	233.7	469.1	46.7
M	183.9	287.4	196.5	103.2	610.0	170.5	201.3	223.3	238.2	488.3	58.6
A	184.0	290.7	203.4	102.5	755.2	166.2	188.8	226.1	237.6	471.3	40.3
M	186.1	291.0	209.6	99.0	782.9	172.3	190.7	222.4	238.9	467.6	51.3
J	186.3	281.5	202.8	97.5	673.4	176.2	177.9	223.8	237.3	450.2	56.4
J	186.7	282.7	197.5	97.8	626.2	178.9	175.9	227.5	238.9	463.4	53.6
A	188.7	299.9	205.5	100.3	674.5	190.5	183.5	234.5	250.6	503.5	53.3
S	188.8	290.6	195.7	102.3	590.3	189.2	179.4	220.1	226.9	497.9	45.8
O	189.1	296.2	189.5	97.2	595.8	179.7	153.4	225.6	234.1	527.1	47.3
N	189.6	291.9	193.2	96.5	613.7	181.4	197.1	210.9	219.9	503.3	45.1
D	189.7	283.6	193.2	97.4	643.3	178.8	189.9	204.6	212.8	484.5	46.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

	Mining		Manufacturing total	Non-durable manufacturing						
	Fuels			Non-durable manufacturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
Adjusted for seasonal variation										
1956 D.....	264.2	937.5	148.9	141.3	138.2	135.9	147.5	132.3	149.5	120.7
1957 J.....	263.7	887.1	146.2	139.9	132.2	129.6	132.3	130.9	143.2	116.8
F.....	263.8	850.8	147.7	142.4	136.2	134.2	146.7	133.9	146.3	118.4
M.....	254.7	881.6	147.9	142.7	135.7	133.2	144.1	134.8	143.3	117.1
A.....	286.5	935.9	144.2	139.5	129.1	127.2	126.3	132.0	138.8	110.8
M.....	277.1	1,013.8	144.4	139.9	133.5	131.5	137.4	138.5	142.2	112.9
J.....	294.9	942.6	143.6	140.3	136.4	133.9	148.8	138.4	139.4	114.2
J.....	291.0	865.4	143.2	140.8	137.2	133.9	142.8	133.0	150.2	115.0
A.....	305.9	853.0	143.0	141.0	139.0	137.2	152.9	137.5	155.6	118.7
S.....	307.5	829.0	139.8	139.7	137.9	135.8	151.3	138.8	145.4	120.6
O.....	341.9	788.4	138.8	138.2	137.1	134.1	145.1	138.1	142.7	118.5
N.....	332.4	707.4	139.0	137.4	135.9	132.9	153.5	139.9	129.0	119.5
D.....	340.3	759.5	134.5	132.8	133.2	129.6	147.3	140.5	115.6	118.3
1958 J.....	322.0	797.4	136.7	134.1	136.4	134.6	147.1	141.8	129.7	123.6
F.....	364.6	830.9	137.2	135.7	138.3	134.5	146.1	141.6	130.3	121.9
M.....	379.6	788.9	137.6	136.6	139.2	136.7	147.3	145.9	137.7	127.9
A.....	361.3	732.8	138.7	138.1	140.1	137.7	140.3	141.6	150.0	128.8
M.....	374.3	776.8	142.1	141.2	142.8	140.4	143.7	142.1	150.9	137.2
J.....	391.6	742.3	142.1	141.2	143.0	142.4	150.0	142.4	154.4	129.9
J.....	416.3	756.5	141.1	142.7	141.3	139.3	147.2	140.6	146.8	126.8
A.....	416.2	752.2	139.6	142.3	139.4	139.1	154.9	143.2	135.7	131.7
S.....	474.0	762.9	139.7	142.3	139.6	140.4	150.5	142.4	149.6	127.7
O.....	413.0	764.3	141.4	145.6	145.5	143.6	158.7	143.5	152.8	135.1
N.....	441.7	826.8	144.6	148.7	147.3	144.1	159.6	145.4	150.8	141.9
D.....	486.2	857.4	144.9	145.3	146.0	144.7	173.7	146.6	139.7	134.3
1959 J.....	494.1	875.6	146.0	146.0	143.6	143.0	163.8	144.1	131.6	134.5
F.....	464.3	862.3	147.6	147.5	144.3	143.5	165.3	145.8	125.9	135.1
M.....	453.4	861.5	147.1	146.9	143.4	141.0	169.6	145.7	128.1	125.4
A.....	464.5	812.4	150.9	150.2	150.0	149.2	177.8	143.4	158.3	136.0
M.....	498.2	851.2	150.8	151.3	148.1	145.2	172.1	146.3	141.7	132.7
J.....	502.1	892.9	151.3	149.7	148.4	146.2	168.4	144.2	156.8	130.1
J.....	500.1	785.0	150.9	150.2	146.3	144.5	169.1	144.3	134.9	136.6
A.....	531.8	867.9	148.7	151.2	154.2	145.5	168.3	145.5	147.2	130.2
S.....	556.6	961.3	150.2	151.2	148.3	145.0	175.1	151.2	134.5	126.9
O.....	543.8	894.5	154.1	152.6	148.0	144.5	164.2	149.2	132.8	137.9
N.....	552.9	880.1	149.2	152.6	148.9	146.8	162.6	149.2	155.2	134.1
D.....	507.8	915.3	151.8	151.4	149.4	147.5	161.7	148.7	161.1	133.0
1960 J.....	521.2	926.3	155.1	154.9	151.4	147.8	168.9	156.7	142.6	131.3
F.....	538.8	834.2	152.4	152.8	153.1	149.6	165.8	155.7	157.6	128.9
M.....	579.1	934.1	153.2	154.1	151.6	148.8	162.0	150.3	136.9	132.1
A.....	566.0	928.5	148.9	149.6	147.3	145.8	158.7	153.3	149.2	131.3
M.....	592.5	990.5	149.0	151.1	152.7	149.1	160.2	154.2	169.4	128.2
J.....	594.2	920.2	148.6	151.7	149.6	146.4	157.3	150.4	149.0	134.2
J.....	632.9	877.2	146.1	150.6	149.6	149.2	158.5	148.8	161.6	133.6
A.....	618.6	871.2	146.7	150.4	150.0	144.5	154.2	148.7	142.3	131.9
S.....	606.6	933.3	148.2	150.8	148.0	145.0	148.1	150.6	139.8	137.9
O.....	608.4	868.3	149.2	152.4	151.4	144.8	152.7	155.8	133.8	137.6
N.....	585.6	926.4	147.9	152.6	150.1	146.6	148.7	154.8	151.4	133.6
D.....	631.2	881.3	148.1	151.8	148.2	146.2	144.0	157.9	150.5	133.1
1961 J.....	642.7	889.6	146.7	152.7	149.9	148.5	143.2	157.1	171.4	133.3
F.....	636.5	888.3	147.9	153.4	154.8	153.1	152.0	156.2	177.0	137.3
M.....	652.4	874.8	148.5	153.7	155.4	153.4	148.7	165.9	166.6	135.9
A.....	724.3	1,030.7	149.8	155.4	153.5	151.2	161.0	155.3	149.5	139.7
M.....	704.7	1,042.5	149.1	154.1	148.1	147.6	151.7	149.6	145.8	137.5
J.....	706.2	1,038.4	153.4	158.2	155.6	153.9	166.6	156.4	154.9	141.3
J.....	761.8	996.0	154.0	158.8	157.9	155.4	166.5	159.3	180.9	146.3
A.....	776.9	1,114.6	155.5	157.8	154.1	149.5	160.5	156.1	148.6	141.5
S.....	752.3	1,148.9	156.8	159.1	154.0	148.7	162.2	158.0	142.0	134.6
O.....	730.6	1,094.7	156.8	159.3	153.7	150.3	166.4	160.8	138.8	133.7
N.....	717.0	1,221.2	158.9	160.8	155.8	152.1	162.3	162.6	147.8	138.8
D.....	776.3	1,102.6	160.8	163.5	159.4	154.5	155.3	166.7	154.2	143.4
1962 J.....	846.9	1,107.8	158.2	161.1	157.6	152.6	161.3	158.8	158.9	141.4
F.....	932.8	1,132.8	160.7	162.5	157.3	154.4	167.2	158.5	167.3	138.8
M.....	915.3	1,168.2	162.5	164.8	163.0	159.0	168.5	161.3	174.3	140.9
A.....	919.9	1,151.0	162.3	163.9	159.6	155.2	155.5	165.0	168.6	130.7
M.....	992.7	1,114.4	164.3	165.4	161.9	157.7	156.9	158.4	184.5	134.3
J.....	1,075.7	1,048.0	165.8	166.7	164.8	156.6	159.5	159.5	168.9	146.4
J.....	1,127.9	1,084.1	166.1	165.7	156.0	154.5	152.7	156.8	178.8	142.7
A.....	1,186.8	1,190.4	165.8	164.9	157.9	154.1	158.2	157.2	162.1	135.8
S.....	1,173.4	1,188.9	167.6	165.7	158.7	154.6	156.7	163.3	163.2	137.3
O.....	1,118.6	1,273.8	167.3	164.9	154.7	152.8	156.3	154.8	158.7	133.5
N.....	1,062.9	1,217.1	168.3	165.4	156.6	153.0	159.9	161.7	148.2	133.0
D.....	1,054.0	1,163.4	169.9	167.4	163.6	157.4	159.5	164.5	168.0	137.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

	Non-durable manufacturing									
	Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
	Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
	Adjusted for seasonal variation									
1956 D	136.9	125.1	145.6	129.1	137.2	186.6	153.5	160.3	115.4	120.7
1957 J	128.9	123.6	140.2	135.3	134.0	162.5	163.0	164.1	114.2	119.6
F	129.0	127.5	142.8	133.9	134.9	173.9	157.8	160.4	116.0	119.7
M	129.0	127.3	143.6	137.6	140.0	161.8	161.5	159.2	119.0	123.7
A	130.9	121.1	134.9	106.6	137.8	162.0	161.3	148.0	114.8	119.3
M	131.7	122.8	139.7	133.6	134.2	161.5	163.1	150.9	117.4	123.8
J	133.3	124.2	144.4	129.4	139.4	175.6	163.8	149.5	115.0	119.7
J	130.4	127.8	147.6	129.6	138.3	191.8	164.8	144.7	116.3	122.8
A	129.4	126.3	144.9	130.6	140.1	175.1	160.2	140.3	117.0	122.2
S	128.0	128.1	144.7	124.9	143.8	171.7	166.9	140.3	114.7	119.4
O	127.8	129.1	146.7	134.2	142.6	173.1	159.6	141.2	113.8	119.8
N	127.7	124.3	145.6	131.0	142.8	171.8	157.7	138.0	113.7	119.7
D	128.6	123.4	144.6	135.6	143.1	160.4	160.2	131.1	114.5	118.8
1958 J	138.6	123.9	142.3	140.8	133.1	166.8	160.5	123.3	111.5	114.6
F	139.3	124.1	150.4	144.3	146.2	169.7	172.4	122.4	111.5	119.6
M	137.4	123.5	147.2	145.8	134.9	178.2	174.8	120.5	109.7	119.7
A	136.1	129.4	147.8	142.1	139.1	176.5	166.2	128.5	108.2	115.4
M	138.6	131.7	150.4	138.6	141.4	186.1	167.6	130.1	111.9	120.0
J	139.9	135.4	145.0	143.2	135.0	171.0	179.2	139.9	112.6	120.2
J	139.9	131.9	147.4	138.7	140.8	173.9	181.1	148.8	115.9	125.2
A	137.9	129.7	140.4	165.3	116.8	165.9	173.6	144.7	120.4	130.3
S	138.9	131.2	136.8	148.8	99.2	209.0	184.6	147.1	117.5	125.7
O	138.5	132.9	151.4	145.7	142.1	177.4	172.0	140.9	120.8	131.4
N	138.5	130.6	157.6	145.5	151.8	187.5	188.2	151.1	119.2	128.0
D	137.5	133.7	150.3	147.8	141.3	176.0	169.7	152.4	115.3	126.1
1959 J	141.4	138.6	145.5	145.2	121.1	203.2	169.0	157.8	120.1	129.9
F	142.9	141.0	146.8	144.0	120.9	211.5	185.8	166.1	120.9	133.9
M	140.3	130.0	151.1	135.8	145.1	184.9	175.3	163.6	115.0	123.9
A	139.6	137.5	152.6	148.2	137.6	194.9	179.4	172.8	127.4	137.0
M	138.9	135.8	157.2	152.3	142.2	200.7	172.1	169.2	124.0	133.4
J	138.4	136.3	155.3	151.0	148.8	178.6	175.7	163.1	122.9	134.8
J	142.3	136.2	151.9	159.7	138.5	175.3	166.7	159.9	125.3	135.3
A	142.0	134.8	181.6	170.9	162.2	243.3	168.1	161.6	121.8	132.5
S	142.4	133.6	158.6	161.4	143.7	191.7	181.9	158.0	117.1	127.1
O	145.2	135.2	159.4	177.0	141.3	189.5	199.3	154.9	121.1	134.9
N	144.8	133.2	155.7	154.9	152.7	164.1	186.3	154.6	114.6	125.4
D	148.0	131.1	155.2	164.8	139.6	181.4	189.7	148.3	117.7	132.7
1960 J	142.1	140.5	162.9	156.8	154.1	192.0	186.6	169.0	118.9	133.5
F	141.2	143.8	164.3	181.0	141.5	199.1	171.8	152.3	113.5	124.7
M	142.3	160.4	160.5	160.2	147.7	192.6	183.1	153.4	112.8	124.6
A	140.5	138.8	152.0	142.7	144.9	179.9	164.5	141.9	109.6	121.3
M	141.4	138.4	164.1	171.0	148.5	193.1	175.9	130.3	105.3	116.4
J	143.7	140.9	159.5	150.3	143.7	207.8	176.6	139.6	105.6	116.2
J	146.8	142.8	150.9	154.1	150.3	148.9	164.6	139.9	107.5	113.7
A	146.6	139.3	167.4	151.6	144.4	235.7	185.5	140.2	110.7	122.6
S	146.9	143.9	157.4	157.8	136.1	205.8	188.7	137.3	118.0	133.0
O	146.2	140.5	172.3	174.0	155.4	213.9	196.0	133.1	113.3	126.8
N	144.1	144.1	161.2	180.6	144.9	177.8	185.7	135.0	111.9	122.5
D	145.1	144.0	154.7	147.5	147.9	180.5	199.6	136.5	116.7	129.4
1961 J	145.6	140.0	154.5	169.9	137.4	177.2	193.0	132.0	115.1	124.5
F	146.2	148.6	160.1	168.6	142.9	192.1	189.1	122.1	118.9	130.8
M	148.2	152.5	161.7	150.0	143.8	217.1	185.6	131.9	120.8	129.7
A	149.7	148.3	160.8	163.6	144.8	194.5	189.2	143.0	122.8	133.0
M	150.5	146.5	149.6	137.8	139.1	181.8	187.9	142.5	121.9	129.6
J	155.2	145.5	161.0	168.2	142.4	196.0	206.3	146.3	126.9	136.3
J	148.9	134.2	165.8	176.4	151.9	187.5	190.9	154.3	127.2	140.6
A	147.5	141.8	168.6	173.6	152.0	204.6	203.0	150.5	121.8	133.4
S	148.2	143.0	170.5	181.1	149.5	210.7	191.7	153.4	126.1	136.1
O	149.9	146.3	164.3	154.3	154.6	201.5	205.6	156.8	125.9	136.7
N	150.1	147.5	167.7	174.3	148.0	207.2	197.1	150.2	129.4	142.0
D	151.2	153.7	175.0	175.3	156.4	220.9	193.3	170.3	130.6	141.7
1962 J	140.8	152.9	173.3	162.0	147.8	247.3	205.7	154.5	130.7	140.5
F	141.1	151.3	166.4	173.6	150.1	199.3	200.3	151.4	126.8	136.6
M	145.2	160.2	175.5	181.0	149.2	233.3	209.4	156.0	128.3	138.1
A	146.3	159.2	173.4	163.4	161.9	215.7	195.4	161.7	124.9	135.1
M	147.7	159.5	175.2	180.8	160.0	206.1	205.3	168.1	125.0	136.8
J	144.7	159.4	190.5	198.9	162.7	248.3	203.0	173.4	128.8	141.2
J	144.0	151.9	160.9	167.8	165.4	143.6	204.5	172.0	129.6	143.1
A	144.7	160.6	170.0	162.2	147.2	232.7	202.9	160.8	126.0	138.3
S	145.6	157.3	171.8	187.1	150.6	205.2	202.4	176.8	123.6	135.1
O	146.5	160.1	160.7	140.1	155.5	203.8	208.2	174.7	123.4	132.5
N	145.9	161.4	167.9	185.3	149.6	189.4	205.7	175.8	128.0	139.9
D	147.1	162.9	183.1	183.7	173.0	208.9	204.7	179.5	124.9	132.6

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

Non-durable manufacturing									
Textiles					Clothing		Paper products		Printing, publishing and allied industries
Total	Cotton goods	Wool goods	Synthetic textiles and silk	Total	Men's women's and children's clothing	Total	Pulp and paper		
Adjusted for seasonal variation									
1956 D.....	122.2	101.6	97.2	161.3	117.6	113.9	138.6	138.2	139.5
1957 J.....	120.5	103.6	88.7	159.0	118.3	111.9	137.8	137.5	141.3
F.....	124.2	110.2	94.6	161.9	118.1	112.9	139.4	139.1	143.5
M.....	120.3	101.6	100.8	153.7	119.9	114.3	142.3	140.3	141.4
A.....	119.0	99.3	90.2	159.4	119.2	115.8	138.0	137.0	141.2
M.....	119.9	99.5	90.1	164.1	118.3	113.7	139.2	138.3	138.0
J.....	117.0	102.5	90.9	148.6	118.7	114.6	137.4	136.1	141.8
J.....	119.7	104.2	89.5	157.2	118.9	116.7	136.7	135.1	139.6
A.....	118.5	100.4	89.7	156.4	119.4	116.6	137.3	135.5	135.6
S.....	114.9	96.4	81.9	153.9	115.8	111.6	135.2	132.9	137.3
O.....	113.2	96.6	77.3	152.0	113.3	109.3	133.8	131.3	133.2
N.....	115.3	97.7	80.9	157.7	111.2	106.5	130.8	127.6	130.0
D.....	104.1	89.1	69.4	135.2	110.8	106.4	117.2	110.4	132.9
1958 J.....	101.8	89.3	75.5	125.3	113.9	111.5	122.7	117.2	128.6
F.....	100.9	85.2	69.0	133.8	113.4	109.6	129.6	126.6	132.4
M.....	97.7	84.2	69.6	122.3	114.4	111.8	132.0	129.5	135.0
A.....	103.9	89.0	72.5	136.2	112.6	108.7	135.0	132.0	131.3
M.....	109.0	91.6	78.1	147.0	113.1	109.4	136.6	132.7	135.4
J.....	110.4	90.2	68.1	158.5	113.9	111.1	134.4	130.0	130.5
J.....	112.1	82.1	69.9	171.9	116.1	112.8	136.6	132.2	130.5
A.....	113.3	90.9	78.0	158.1	116.7	113.6	135.7	130.9	133.8
S.....	113.2	98.0	74.7	150.5	114.5	111.1	138.2	133.9	133.4
O.....	117.9	92.8	81.2	168.4	113.1	107.5	145.3	140.9	134.9
N.....	117.2	93.0	80.2	165.9	114.8	109.0	143.2	139.3	147.3
D.....	116.1	90.7	74.0	168.4	115.8	111.0	136.2	131.6	136.1
1959 J.....	121.3	96.4	81.3	174.2	110.0	105.7	140.4	136.5	136.2
F.....	123.2	98.3	81.6	177.4	112.3	106.6	140.0	135.5	134.1
M.....	120.7	99.5	73.1	170.7	112.5	107.4	138.5	132.5	141.3
A.....	129.1	104.1	84.1	187.6	114.2	109.0	144.5	140.0	145.0
M.....	128.9	98.4	89.9	187.6	115.7	111.9	146.1	143.0	142.5
J.....	126.7	97.9	85.1	181.6	118.1	114.1	144.5	141.5	140.6
J.....	127.8	85.1	85.5	200.0	114.9	110.6	145.2	142.5	142.0
A.....	127.3	92.6	90.5	187.2	111.3	108.4	142.9	139.8	140.8
S.....	124.5	86.9	96.9	179.0	113.7	114.3	145.2	142.6	146.4
O.....	125.0	88.1	87.0	187.5	112.2	109.6	150.1	148.7	152.3
N.....	122.7	86.3	82.1	186.1	110.1	107.4	152.6	152.0	151.3
D.....	120.8	90.6	82.7	176.2	109.4	108.5	147.8	146.2	146.0
1960 J.....	129.4	88.8	97.0	198.9	111.4	109.5	147.8	147.6	152.8
F.....	123.0	86.0	77.8	190.6	110.3	110.6	147.2	145.2	148.6
M.....	128.4	91.5	85.0	199.8	110.8	110.4	148.7	150.3	143.4
A.....	121.1	87.2	77.4	184.2	109.4	111.4	144.4	143.9	141.2
M.....	124.0	90.7	73.1	196.0	108.0	110.1	147.0	145.8	143.3
J.....	122.7	89.2	75.6	192.3	107.5	109.3	149.0	149.2	148.8
J.....	117.1	88.6	67.9	177.9	106.7	108.3	148.6	148.3	145.8
A.....	114.3	85.8	76.7	163.4	108.3	109.3	148.4	147.9	141.4
S.....	118.7	83.1	78.4	181.8	107.3	108.9	149.2	148.9	145.2
O.....	123.3	91.5	79.9	188.9	106.4	106.8	150.0	149.6	150.1
N.....	120.9	92.1	72.3	184.7	106.9	108.4	153.9	155.4	153.3
D.....	127.5	99.6	76.9	199.3	108.4	110.3	146.7	145.8	146.9
1961 J.....	127.9	93.8	78.7	204.5	108.6	110.7	148.7	148.7	149.8
F.....	125.1	91.2	73.6	199.8	107.4	110.7	150.1	152.1	144.8
M.....	126.7	87.8	76.6	206.4	107.7	111.8	149.9	150.2	146.5
A.....	127.4	91.6	79.2	202.7	105.9	107.4	153.1	153.1	147.7
M.....	132.1	96.6	80.7	213.4	106.6	107.4	150.8	150.0	146.1
J.....	137.0	97.5	91.5	222.2	107.7	108.9	154.3	152.6	142.6
J.....	142.3	110.0	85.9	231.5	108.9	109.2	154.9	154.0	145.8
A.....	128.7	96.8	72.2	205.0	106.3	107.9	154.9	153.7	148.7
S.....	138.9	97.8	86.3	232.0	108.4	110.0	155.5	156.3	151.1
O.....	139.4	109.5	79.5	225.0	110.8	114.9	154.8	154.8	154.0
N.....	140.1	106.5	78.7	229.8	111.5	116.0	156.3	156.3	151.7
D.....	147.6	109.7	80.6	252.1	113.7	116.8	157.3	157.5	151.6
1962 J.....	141.1	104.3	79.4	233.9	106.7	109.8	154.8	154.7	149.9
F.....	144.3	108.7	81.0	240.0	105.1	107.4	157.9	158.3	153.8
M.....	141.5	108.4	77.9	231.9	106.9	108.2	158.7	158.7	152.7
A.....	139.4	109.2	90.0	213.4	110.3	112.3	158.2	156.9	154.8
M.....	147.6	106.8	88.7	246.1	111.2	111.1	156.6	155.8	156.9
J.....	148.3	99.5	94.5	250.5	113.4	111.7	159.6	159.0	153.2
J.....	155.4	116.6	98.1	250.4	113.7	111.4	159.1	157.9	155.0
A.....	145.1	103.3	83.1	237.4	112.8	110.4	160.8	160.7	156.1
S.....	150.9	104.6	94.2	250.3	112.3	109.8	163.1	163.9	152.4
O.....	150.3	108.7	86.2	248.1	113.4	113.1	159.3	159.6	153.1
N.....	151.9	102.0	79.8	266.2	112.8	112.0	159.9	160.2	153.4
D.....	149.6	100.8	83.5	255.7	115.7	115.8	159.5	158.3	152.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

	Non-durable manufacturing					Durable manufacturing			
	Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
	Total	Petroleum products	Total	Acids alkalis salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods
Adjusted for seasonal variation									
1956 D	225.7	238.5	177.2	187.8	150.9	157.9	131.8	134.3	237.1
1957 J	219.9	232.2	179.0	189.4	152.2	153.7	123.2	122.0	209.3
F	227.9	240.9	183.3	191.0	154.3	153.9	128.6	129.9	223.8
M	233.2	247.0	182.7	193.2	155.4	154.0	131.4	133.7	232.0
A	230.6	244.4	183.6	196.6	155.8	149.7	130.1	132.0	233.0
M	277.4	240.6	175.7	199.2	155.6	149.7	129.1	130.7	257.8
J	227.6	241.3	175.6	193.7	155.5	147.5	131.2	133.0	238.3
J	229.8	243.9	178.9	194.2	154.8	146.0	128.0	128.4	238.1
A	222.1	234.9	184.6	195.5	154.6	145.3	128.9	130.0	253.0
S	216.0	228.5	187.2	200.2	153.3	139.9	124.1	123.5	232.2
O	216.3	229.9	187.6	202.6	150.4	139.4	124.7	125.3	251.9
N	216.7	230.1	192.5	205.6	148.9	141.0	122.1	122.1	216.5
D	216.2	230.1	189.5	206.7	149.5	136.5	120.0	119.7	229.4
1958 J	224.2	239.4	188.0	211.1	149.8	139.6	125.7	129.5	239.5
F	213.8	228.1	185.8	213.6	151.4	139.0	127.1	132.0	244.6
M	213.1	227.2	188.8	216.0	153.5	138.7	126.5	130.4	242.9
A	206.2	220.0	195.2	225.2	158.0	139.4	128.0	130.6	237.2
M	209.6	223.9	201.7	227.0	162.8	143.1	132.8	135.5	230.7
J	211.0	226.0	200.1	228.0	166.8	143.1	131.2	132.6	241.1
J	215.2	230.8	205.2	234.1	170.6	139.1	131.9	133.5	231.7
A	208.8	225.6	204.9	234.9	173.0	136.5	133.1	135.6	243.4
S	212.0	229.6	198.9	233.2	174.0	136.7	134.3	138.1	261.3
O	215.0	232.1	201.6	230.5	174.5	136.4	137.8	143.1	282.2
N	228.6	246.6	209.4	231.3	177.2	139.7	141.0	147.7	273.9
D	237.8	256.4	198.8	231.4	181.3	144.6	137.8	143.3	284.5
1959 J	234.6	253.0	205.1	236.1	180.9	145.9	140.9	147.6	270.8
F	240.0	258.4	208.7	240.7	181.4	147.7	143.4	150.6	292.7
M	252.0	271.5	204.5	242.2	179.9	147.3	137.4	142.4	270.6
A	242.4	260.0	205.5	239.6	177.5	151.6	145.2	153.1	294.7
M	246.9	264.6	206.8	239.7	179.6	150.1	143.1	148.8	260.4
J	232.8	249.8	199.1	242.3	181.5	153.2	146.0	152.9	295.1
J	234.3	251.2	210.2	244.5	183.4	151.8	123.4	120.7	140.2
A	232.7	248.9	211.7	252.9	184.4	145.8	115.8	109.8	100.5
S	244.9	263.2	213.9	259.0	185.0	149.0	127.7	127.3	215.7
O	242.7	260.1	212.0	256.3	187.6	155.8	139.4	144.7	260.1
N	247.2	264.5	214.4	254.9	187.1	145.3	138.3	143.2	309.7
D	257.8	275.9	214.7	258.5	186.4	152.3	149.6	161.3	325.4
1960 J	255.7	274.3	221.5	262.2	186.0	155.4	143.1	151.6	300.1
F	251.7	270.1	219.1	256.3	187.6	151.9	140.3	147.4	294.3
M	254.9	273.1	221.4	254.7	189.5	152.2	138.9	145.2	304.5
A	265.9	285.9	216.7	250.8	190.4	148.1	138.7	145.1	283.5
M	257.1	276.9	216.4	261.5	187.8	146.5	133.3	138.0	286.5
J	257.9	278.8	221.6	264.8	188.5	145.0	135.2	140.7	282.5
J	247.5	267.2	224.8	272.3	190.4	140.9	134.1	138.0	230.6
A	247.1	266.7	222.1	272.8	191.0	142.3	134.9	138.7	253.3
S	241.1	259.7	223.0	265.1	192.7	145.1	134.5	137.9	244.6
O	243.4	262.0	219.7	258.6	196.2	145.5	130.9	133.5	214.4
N	251.0	271.4	214.3	254.9	198.8	142.5	131.6	135.8	262.9
D	252.7	273.4	215.4	254.6	199.7	143.8	139.9	149.0	262.7
1961 J	243.7	263.5	220.2	254.6	198.1	139.8	132.5	137.0	252.1
F	249.7	269.9	220.8	255.5	201.0	141.5	133.8	139.6	248.0
M	246.1	265.6	216.6	258.4	200.0	142.5	136.9	144.2	277.4
A	272.8	294.8	219.8	254.5	201.1	143.1	138.6	146.5	274.5
M	267.4	288.6	220.8	262.5	206.2	143.2	133.0	137.8	292.7
J	259.9	279.2	228.0	265.9	210.9	147.9	138.8	145.2	312.3
J	228.6	243.8	227.0	259.6	213.2	148.4	143.7	152.3	334.1
A	276.2	298.0	225.7	257.9	216.4	152.8	141.0	148.2	361.9
S	272.3	293.2	220.6	254.1	220.7	154.2	143.3	151.1	329.8
O	254.5	273.7	220.4	251.4	224.6	153.9	138.2	143.5	262.0
N	266.8	287.6	223.7	253.6	229.3	156.7	148.6	158.4	316.2
D	265.3	285.8	223.9	258.0	230.5	157.6	152.4	163.7	315.6
1962 J	268.4	290.1	227.1	261.2	231.3	154.8	146.0	153.4	319.1
F	275.1	297.6	232.6	265.4	231.2	158.6	148.7	157.4	316.4
M	265.6	286.9	238.5	265.7	232.9	159.8	150.7	159.5	310.5
A	273.8	296.2	237.4	270.8	233.1	160.4	150.4	159.3	315.2
M	267.7	289.1	235.9	277.9	233.3	162.9	149.0	157.3	311.2
J	249.9	268.5	238.7	277.8	236.6	164.8	148.7	156.6	319.5
J	251.4	269.3	240.7	281.0	238.8	166.6	153.0	162.9	404.5
A	273.2	293.8	232.5	264.6	241.6	166.9	149.8	158.7	333.8
S	276.9	298.1	225.0	246.5	242.4	169.9	157.0	169.2	349.1
O	296.3	320.6	225.9	253.1	241.9	170.2	154.4	165.3	327.7
N	280.9	304.1	228.9	258.0	241.4	171.6	159.1	172.2	348.2
D	285.9	308.8	229.7	260.1	240.4	172.8	160.3	173.7	375.6

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

Durable manufacturing										
Wood products			Iron and steel products					Transportation equipment		
Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles	
Adjusted for seasonal variation										
1956 D	121.1	140.0	150.5	157.9	160.3	163.0	138.1	175.1	325.3	218.7
1957 J	107.9	139.7	149.9	158.7	150.2	165.3	137.6	164.9	337.1	189.7
F	118.6	139.9	148.2	158.6	151.2	158.2	136.3	163.3	346.2	185.4
M	122.8	140.7	149.0	157.8	157.9	157.0	131.9	161.7	349.0	183.4
A	120.1	140.4	143.6	154.8	123.8	155.7	131.7	151.1	339.7	158.9
M	115.4	141.0	143.7	152.4	145.9	151.9	128.2	153.5	348.7	164.9
J	120.5	143.3	141.7	150.5	141.1	146.4	128.2	151.5	355.7	160.1
J	113.6	143.5	142.4	147.3	129.7	151.5	127.0	147.0	359.2	148.6
A	114.2	143.4	136.4	143.7	120.7	143.2	125.1	154.2	359.7	169.5
S	108.0	142.4	133.2	137.9	104.9	141.3	120.8	141.1	365.1	138.8
O	108.7	140.6	132.4	134.5	110.1	142.7	117.5	134.6	356.8	127.9
N	108.9	139.5	128.6	132.2	103.5	136.1	116.8	146.1	351.0	158.3
D	103.2	138.4	126.0	129.3	94.7	134.4	116.4	133.5	348.9	128.0
1958 J	116.3	134.5	128.7	123.6	150.5	130.9	123.1	132.5	341.2	131.1
F	118.5	133.6	126.4	120.7	144.2	128.3	124.5	138.5	333.5	150.9
M	116.4	135.7	127.9	122.9	146.5	130.9	126.1	134.5	332.5	139.8
M	116.2	141.3	129.3	123.7	138.7	135.1	131.6	127.1	337.8	120.3
J	122.2	146.6	130.3	122.9	148.5	127.7	137.2	136.5	336.1	143.8
J	116.2	147.2	132.1	121.7	149.5	134.0	139.6	136.1	331.1	140.3
A	118.5	148.0	128.9	122.2	138.4	126.1	143.0	125.4	335.1	119.1
S	120.0	147.8	127.3	123.0	141.9	101.8	146.1	116.8	336.2	106.1
O	121.5	145.7	124.5	121.3	125.7	100.0	148.7	121.0	338.6	114.2
N	125.6	146.3	121.5	121.6	127.6	91.9	145.0	131.3	327.3	143.6
D	133.7	146.9	128.6	123.9	129.8	120.4	139.6	131.6	319.4	144.4
	126.0	146.1	133.1	124.3	133.9	141.6	138.7	150.4	317.0	190.9
1959 J	133.3	145.7	136.6	126.1	125.0	150.7	143.4	139.2	319.2	156.8
F	134.1	147.3	137.4	129.3	132.4	149.2	145.7	140.3	260.7	166.9
M	126.4	145.4	138.4	128.9	139.4	149.5	143.6	135.6	236.0	157.8
M	139.0	147.0	144.3	130.4	154.1	163.1	147.8	134.9	240.0	155.5
J	134.9	149.8	143.0	135.1	146.5	155.3	148.9	134.6	242.0	155.4
J	136.4	148.9	146.8	139.5	144.0	159.6	151.9	139.7	246.7	165.9
A	110.0	147.5	149.8	141.2	159.6	164.8	153.4	148.9	244.8	191.9
S	100.6	146.7	150.6	138.6	166.7	168.1	154.5	127.2	243.3	140.0
O	112.9	146.2	151.6	138.6	161.5	180.9	156.4	123.1	240.7	126.9
N	133.3	144.9	157.0	141.8	186.9	186.9	153.6	140.8	241.0	174.1
D	125.9	144.7	154.3	142.0	165.6	188.7	149.9	97.6	243.0	74.5
	150.8	141.2	158.6	139.0	181.0	208.1	149.6	111.3	238.4	111.3
1960 J	139.5	141.4	150.8	138.2	168.1	183.5	148.4	141.3	238.6	179.7
F	134.6	141.7	145.3	137.6	136.3	183.9	146.3	132.3	234.8	156.2
M	131.0	141.8	144.3	138.1	141.8	183.4	145.2	135.7	231.0	167.6
M	134.9	141.1	139.3	139.0	135.4	162.3	144.0	130.9	233.5	157.4
J	126.3	139.9	137.6	137.6	129.8	160.9	143.9	132.2	234.6	163.9
J	131.4	139.7	134.2	136.0	125.0	148.6	145.8	127.8	235.5	154.8
A	134.0	141.9	130.4	137.1	121.8	143.5	142.9	117.9	225.2	135.1
S	132.0	143.0	132.1	136.0	119.1	151.8	142.3	120.5	225.5	143.7
O	132.2	143.7	131.7	132.9	140.4	162.1	143.5	136.6	236.7	181.0
N	129.8	142.2	133.2	131.8	153.7	161.4	143.0	139.4	244.1	187.6
D	126.9	140.0	135.8	130.4	195.7	156.4	142.0	121.4	254.5	142.0
	145.9	137.6	135.7	127.7	205.3	148.2	142.2	121.9	261.2	143.6
1961 J	129.2	140.5	129.4	127.6	160.0	140.7	143.4	120.1	264.2	137.6
F	132.5	138.5	132.1	129.1	156.9	150.9	143.2	122.9	269.1	144.2
M	135.1	138.1	136.2	131.4	163.4	160.1	142.0	117.8	266.9	133.4
M	138.2	138.9	134.8	131.8	141.0	161.3	141.8	118.8	265.8	141.5
J	122.9	141.2	136.3	131.3	117.9	183.6	140.3	118.6	266.0	143.0
J	129.7	144.9	140.8	131.5	151.1	183.4	141.5	126.9	271.1	154.8
A	135.9	145.7	141.1	132.9	144.3	180.1	141.1	128.8	262.4	155.1
S	126.5	146.1	147.6	135.6	176.5	196.3	139.6	139.3	262.1	173.2
O	134.4	146.9	145.9	138.1	166.8	188.2	138.3	141.8	266.6	180.0
N	132.4	146.3	142.7	137.3	152.0	182.9	139.2	143.3	274.1	185.2
D	147.4	146.6	140.4	136.3	126.7	177.1	140.3	145.1	279.7	186.0
	154.0	148.2	141.2	137.6	120.0	177.5	142.9	141.4	283.8	177.1
1962 J	138.8	150.3	140.9	139.5	91.2	182.5	147.6	137.2	283.5	165.2
F	146.1	149.6	147.0	142.3	123.1	187.6	153.4	143.5	279.5	179.1
M	149.5	152.0	146.5	142.9	130.0	181.5	153.9	143.8	273.2	179.3
M	149.0	152.3	146.3	143.3	139.9	181.3	153.3	145.1	265.0	184.2
J	147.0	152.8	149.1	144.3	140.8	190.9	154.7	152.7	261.6	202.6
J	144.2	153.6	153.0	145.9	153.0	195.9	159.6	155.2	266.3	203.7
A	142.0	153.9	155.0	145.1	157.9	200.5	162.1	155.5	259.2	209.4
S	145.0	152.0	156.1	149.5	154.8	201.1	165.3	158.5	259.7	208.0
O	158.8	152.9	159.2	156.4	158.4	198.3	163.6	168.2	256.8	227.4
N	155.6	153.5	156.4	159.3	139.4	189.0	159.5	169.1	248.0	229.8
D	164.1	152.1	158.1	159.8	135.8	200.4	156.5	170.1	237.1	231.5
	163.1	153.3	158.6	160.1	113.4	205.0	153.4	170.5	226.7	232.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Adjusted for seasonal variation										
1956 D	141.1	93.7	158.8	137.9	115.9	154.6	193.6	172.9	402.1	164.3
1957 J	139.3	95.0	160.7	137.4	112.3	154.5	192.2	175.0	390.4	159.8
F	134.1	95.8	161.4	136.4	109.4	153.3	192.7	175.8	391.0	165.1
M	127.3	95.7	163.4	134.9	106.2	152.0	189.9	174.1	388.0	161.5
A	125.8	95.3	165.0	133.5	103.2	151.5	192.4	170.2	445.9	153.2
M	123.2	95.2	163.9	129.0	103.9	144.4	192.6	167.3	463.7	150.3
J	120.8	94.5	163.6	117.5	105.1	126.2	190.9	164.3	445.1	155.0
J	121.0	93.5	164.1	118.1	106.9	126.7	183.6	161.9	380.0	150.5
A	117.8	92.1	165.0	119.2	107.5	128.3	179.3	158.9	346.2	152.1
S	112.9	89.2	164.3	116.2	106.0	124.3	175.5	157.0	334.5	144.3
O	108.2	88.4	158.2	126.8	104.0	141.7	174.7	154.4	344.4	145.3
N	111.5	87.9	154.5	131.3	102.0	149.2	175.4	150.7	358.6	148.8
D	111.5	84.9	155.3	128.6	99.3	146.2	175.5	151.3	359.0	143.7
1958 J	105.9	82.2	155.4	135.2	96.4	157.8	178.2	150.0	418.9	137.0
F	103.2	81.4	150.7	136.9	99.2	159.6	169.6	148.4	370.3	133.3
M	105.5	80.3	151.8	135.1	102.5	156.1	171.1	145.4	397.2	132.1
A	107.5	77.6	153.1	137.0	103.1	158.1	177.3	145.5	460.6	136.0
M	111.5	75.7	155.5	136.3	108.6	155.6	176.3	148.1	426.4	149.5
J	116.0	75.1	162.5	135.9	115.2	152.3	177.6	151.9	440.8	154.0
J	106.6	72.8	156.9	126.5	116.9	136.9	181.3	158.1	458.0	153.7
A	104.2	68.8	133.0	122.7	118.5	130.9	182.0	158.2	452.2	151.1
S	120.7	64.2	123.1	125.1	117.7	134.4	176.3	152.4	397.7	161.0
O	119.6	63.4	124.7	108.1	120.7	106.2	175.3	147.9	390.4	168.7
N	122.9	61.8	129.6	108.9	120.9	105.9	178.0	141.6	408.0	180.7
D	131.3	58.4	131.2	110.7	118.9	109.9	173.7	139.6	363.4	177.2
1959 J	136.2	58.7	140.3	123.2	120.4	129.1	180.3	137.3	437.2	182.7
F	141.4	60.4	142.2	126.0	122.1	132.2	179.6	140.3	436.8	176.9
M	143.0	61.0	143.5	136.8	122.0	149.3	176.4	140.1	418.3	165.2
A	140.8	61.8	145.6	140.4	122.5	154.0	182.5	142.8	448.0	169.7
M	135.5	63.3	147.0	136.3	121.0	147.8	185.3	146.3	437.7	171.5
J	138.6	63.2	146.6	137.4	119.2	148.5	186.5	149.2	402.2	177.7
J	133.2	63.0	147.2	131.1	118.1	139.5	187.4	147.2	428.9	172.3
A	125.8	63.5	147.8	128.7	119.0	135.7	189.6	143.9	425.1	202.8
S	134.6	63.0	147.1	136.5	119.7	147.9	189.3	146.1	391.4	206.1
O	133.6	62.5	143.7	137.0	118.3	149.0	189.0	146.0	382.0	193.2
N	112.1	60.7	139.1	137.7	117.4	151.4	187.4	141.1	402.3	183.2
D	116.9	57.9	133.7	140.0	114.1	156.1	190.5	142.6	433.1	191.6
1960 J	130.2	56.0	147.0	142.6	116.1	159.5	190.7	140.2	429.4	199.3
F	135.3	53.4	147.6	148.4	118.9	167.6	190.4	139.7	436.1	195.4
M	130.6	52.8	149.0	153.2	119.8	174.7	191.1	140.6	445.3	191.0
A	125.9	53.3	146.8	149.0	118.9	168.5	189.3	141.7	431.4	192.2
M	122.1	52.7	143.3	146.5	116.3	164.9	184.4	140.6	419.6	171.7
J	117.0	52.5	144.3	150.1	114.1	171.4	180.6	139.5	389.9	169.4
J	111.6	51.6	141.9	150.2	115.7	171.6	177.0	138.0	372.4	164.8
A	109.8	51.3	138.0	151.5	116.1	173.5	175.5	137.2	353.4	170.6
S	116.1	50.8	137.3	148.0	112.5	169.8	176.6	135.0	383.3	165.0
O	117.0	49.7	135.1	148.2	110.3	169.9	174.1	130.8	378.9	171.8
N	112.0	47.5	137.1	148.2	113.2	169.2	168.6	124.8	378.9	156.5
D	110.7	46.2	133.9	148.2	110.7	170.1	168.6	124.8	379.3	163.7
1961 J	111.7	45.8	137.1	149.7	114.1	170.8	166.3	124.7	370.7	156.6
F	113.0	44.2	137.4	146.1	115.6	164.7	170.2	124.9	414.0	144.5
M	114.4	42.9	131.8	148.3	115.5	168.5	171.5	125.3	397.5	161.2
A	110.8	41.9	119.5	145.8	116.4	164.4	173.3	127.1	383.4	171.9
M	111.5	40.4	113.6	151.2	118.9	172.7	171.2	129.2	373.4	158.6
J	113.4	40.3	146.0	146.0	122.3	163.5	180.6	131.7	409.4	178.6
J	124.7	42.1	147.8	140.7	123.7	155.3	183.2	133.8	434.8	166.6
A	139.8	44.5	149.5	141.8	124.5	156.2	184.1	135.2	404.9	181.7
S	130.0	44.9	159.2	145.1	128.0	159.8	190.1	134.2	439.3	189.2
O	126.0	42.6	161.6	150.0	128.3	167.9	192.2	138.2	447.8	178.5
N	129.9	42.4	165.7	155.9	128.9	176.5	197.8	139.5	472.3	188.6
D	124.0	42.8	170.0	152.5	126.2	171.4	207.1	142.6	557.6	184.5
1962 J	126.4	43.1	170.6	153.3	128.0	172.1	203.4	144.0	514.9	183.4
F	133.7	42.1	172.5	150.6	125.2	167.8	205.8	143.0	524.3	180.9
M	135.2	42.9	175.1	150.1	127.2	166.3	210.6	145.3	559.0	179.5
A	139.6	41.9	169.3	148.4	128.4	163.6	212.2	145.6	562.7	183.7
M	141.0	41.1	174.4	154.3	128.5	172.0	207.4	146.8	499.3	189.2
J	142.1	40.8	189.4	148.0	128.2	162.0	214.0	149.3	533.6	197.8
J	134.6	40.3	188.7	150.7	127.5	165.4	212.5	150.5	512.9	191.9
A	151.0	40.8	193.3	150.3	128.0	165.3	214.5	152.0	488.8	215.8
S	158.3	42.6	199.8	148.4	126.2	160.4	212.4	152.8	474.6	209.3
O	160.5	41.8	204.2	142.7	124.1	155.3	221.3	152.8	563.4	212.4
N	167.4	40.9	203.8	145.9	124.8	160.0	219.7	156.8	540.2	215.6
D	170.0	42.1	205.7	146.2	125.6	160.5	222.8	159.4	552.5	224.0

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1962 - Concluded

	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products						
	Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas
Adjusted for seasonal variation							
1956 D	184.5	310.6	201.7	138.5	212.9	216.0	184.6
1957 J	179.9	275.2	206.9	131.0	217.3	221.1	183.0
F	184.7	338.7	205.5	120.2	217.5	220.4	191.3
M	187.7	345.1	216.2	143.1	216.5	220.8	177.7
A	184.5	340.2	196.2	143.6	219.1	222.4	189.5
M	186.9	347.7	203.3	137.2	217.2	220.7	185.5
J	189.1	344.5	212.9	148.2	214.9	218.4	183.9
J	198.3	356.2	261.2	146.5	221.3	225.3	185.1
A	195.9	362.5	237.4	155.7	218.1	221.1	191.2
S	197.2	372.0	240.4	152.2	220.4	223.6	191.2
O	192.7	362.2	224.8	153.0	223.6	226.4	198.5
N	194.6	380.1	227.1	151.3	228.4	230.3	211.5
D	190.5	405.3	193.6	145.0	228.3	231.3	201.5
1958 J	196.0	443.8	205.3	148.6	235.4	238.0	212.1
F	186.2	378.1	203.6	135.9	238.3	239.9	223.6
M	189.3	389.1	199.2	158.5	236.5	238.1	221.8
A	199.0	455.8	223.7	150.7	235.3	236.3	226.6
M	212.4	528.4	233.3	162.3	233.7	237.2	202.2
J	206.6	495.0	238.2	159.0	236.6	238.3	221.3
J	206.1	499.9	214.8	162.0	234.9	236.9	217.3
A	204.9	473.5	220.4	160.5	234.2	236.0	218.5
S	210.6	482.5	222.5	163.1	238.6	239.0	235.5
O	212.2	484.5	234.7	166.1	238.5	240.1	224.1
N	213.9	473.8	231.0	177.8	245.1	244.9	246.7
D	217.3	480.5	232.9	177.4	257.6	253.3	296.6
1959 J	213.0	476.2	203.0	174.3	255.5	249.5	309.2
F	222.8	553.2	181.6	182.4	258.0	253.4	298.9
M	227.3	579.0	196.0	172.3	258.1	254.7	288.8
A	228.4	555.0	224.5	164.2	264.6	263.2	277.5
M	221.8	503.4	234.1	172.3	263.3	259.4	297.9
J	222.6	524.8	227.6	164.2	269.6	266.1	300.6
J	225.6	545.0	243.3	166.8	260.9	256.6	299.1
A	220.0	512.5	228.9	171.5	270.6	262.3	345.0
S	231.9	579.4	254.0	160.2	280.7	270.9	368.7
O	221.9	549.1	211.3	168.2	278.1	270.0	350.5
N	218.4	503.4	209.5	172.3	285.3	275.2	376.1
D	221.0	533.6	214.1	179.0	284.9	276.6	359.5
1960 J	221.7	556.0	180.1	189.3	287.5	279.0	364.0
F	220.0	555.8	190.9	180.9	288.9	281.5	355.2
M	210.6	503.9	187.1	172.0	299.6	289.8	387.6
A	200.1	449.1	180.0	174.4	293.0	284.3	370.7
M	206.4	485.8	199.6	165.5	294.5	285.7	373.4
J	209.3	499.5	206.6	153.3	302.1	292.3	390.1
J	206.4	504.8	201.2	148.6	297.8	287.8	387.2
A	209.5	504.2	217.9	132.0	314.6	297.7	466.4
S	207.9	513.3	213.3	128.3	308.7	296.9	414.8
O	210.7	514.0	221.8	139.3	301.4	287.5	425.7
N	217.4	555.1	215.1	130.4	298.9	285.5	419.5
D	215.9	545.7	217.7	152.4	305.6	289.9	446.7
1961 J	210.5	535.7	219.2	124.5	305.8	290.2	445.6
F	211.2	634.2	183.0	122.8	303.9	288.7	440.1
M	208.9	567.4	198.6	126.0	302.5	288.7	426.7
A	219.0	601.9	220.3	140.0	312.2	294.6	469.6
M	220.7	584.8	234.0	139.8	322.4	300.4	519.3
J	223.3	579.6	232.4	154.8	323.5	298.8	545.3
J	217.2	525.1	211.1	153.8	325.0	301.3	537.3
A	222.7	577.8	214.8	146.4	331.0	304.7	566.8
S	220.6	556.2	220.9	154.3	327.4	303.4	542.8
O	227.2	571.0	219.8	152.0	330.4	305.6	553.1
N	227.6	573.1	210.3	143.7	321.8	302.3	496.4
D	230.7	600.4	205.7	156.7	325.5	304.4	514.4
1962 J	222.9	536.1	229.9	147.2	336.0	314.7	527.2
F	225.9	529.8	254.3	150.9	335.9	314.8	525.3
M	233.3	585.7	260.0	146.9	335.2	313.7	528.5
A	240.7	654.9	237.3	143.5	333.9	313.4	518.1
M	241.9	653.4	239.9	149.3	341.7	321.8	520.2
J	245.5	645.0	253.3	146.8	337.6	313.0	558.2
J	248.8	653.8	241.5	150.4	340.5	308.6	626.7
A	243.0	696.4	227.8	147.2	350.4	317.4	646.1
S	236.1	615.4	249.0	156.1	339.4	304.8	649.6
O	249.6	774.7	227.5	147.5	340.7	310.8	608.5
N	244.5	701.5	232.9	148.3	341.9	313.5	596.9
D	250.5	655.2	294.0	154.6	334.4	310.5	548.3

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962

			Mining								
	Index of Industrial Production		Metals					Non-metals		Fuels	
		Mining total	Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
			Unadjusted for seasonal variation								
1956 D	154.0	211.2	136.6	106.0	118.7	136.4	136.1	156.8	156.0	395.4	82.2
1957 J	150.6	210.7	135.7	100.4	162.9	116.5	152.0	163.8	170.7	396.9	76.2
F	157.4	219.2	149.0	107.7	203.2	144.9	151.8	180.4	192.2	389.0	81.5
M	158.6	217.7	152.9	108.5	228.8	138.3	153.1	177.0	190.5	369.2	64.2
A	154.7	217.6	152.5	107.3	272.4	129.4	145.1	192.3	198.1	363.3	62.0
M	158.1	227.9	160.1	105.4	430.5	119.1	148.5	189.4	191.7	370.0	58.4
J	162.3	240.9	180.0	108.3	689.5	124.1	146.3	182.1	174.8	367.3	54.0
J	153.7	237.2	177.9	102.0	699.4	118.0	145.2	157.8	155.7	368.4	45.1
A	155.5	239.6	187.6	100.8	734.9	134.6	153.4	178.8	173.9	349.5	46.3
S	157.4	244.4	196.9	112.4	784.8	155.3	147.6	192.7	198.7	344.9	65.6
O	156.7	240.1	194.8	111.3	756.8	140.0	143.0	186.4	195.5	338.6	82.7
N	156.7	221.1	177.8	109.2	353.5	165.5	137.9	178.8	188.0	314.3	76.7
D	143.2	217.6	174.8	106.7	235.0	159.1	138.2	168.4	181.6	327.0	72.5
1958 J	144.8	222.7	171.1	105.6	185.3	146.9	152.9	140.4	150.9	366.3	71.5
F	150.6	230.8	176.5	112.9	191.8	151.4	160.6	157.1	170.4	380.4	72.2
M	150.4	220.6	174.8	113.4	133.3	153.1	145.0	160.2	170.4	339.9	56.4
A	149.9	213.4	179.6	111.2	188.0	150.7	143.4	161.4	171.0	294.5	54.0
M	156.8	222.3	183.1	106.7	279.2	145.1	139.4	161.7	162.6	292.6	50.9
J	161.1	235.4	205.1	115.4	487.1	149.8	138.1	157.2	156.6	294.0	45.3
J	152.5	234.6	189.9	106.2	506.9	139.2	117.6	144.4	144.7	328.7	43.9
A	153.6	230.8	190.8	106.2	503.3	138.0	119.8	178.7	183.2	300.5	24.5
S	158.6	240.7	199.8	108.9	595.5	127.3	111.5	199.8	211.0	315.4	52.6
O	159.3	228.9	172.8	112.4	450.0	100.9	33.7	221.2	231.9	323.8	67.9
N	162.8	224.7	164.1	111.0	205.3	94.1	30.0	212.4	227.6	340.4	69.9
D	152.1	219.5	156.1	105.9	132.7	85.1	30.2	156.8	159.1	377.6	70.8
1959 J	154.0	230.7	165.4	105.7	155.9	110.3	73.6	152.5	155.9	403.6	67.9
F	162.5	244.7	185.2	112.8	183.2	138.2	127.4	170.4	178.7	401.9	52.6
M	161.4	236.6	187.0	109.7	196.6	144.9	136.5	187.2	195.0	361.3	40.7
A	164.3	233.8	193.9	109.6	259.1	148.4	146.6	189.3	190.7	325.6	54.0
M	167.4	235.5	195.8	110.2	412.2	145.8	152.1	190.1	188.3	310.9	34.7
J	173.4	255.2	205.6	104.5	646.6	170.8	157.0	217.9	212.0	344.8	38.4
J	163.1	260.5	217.6	106.4	621.9	161.2	148.3	188.9	184.3	344.4	46.9
A	163.7	256.2	210.7	101.2	643.3	156.6	153.6	187.1	182.2	347.2	28.3
S	172.6	278.3	225.0	105.7	834.5	165.1	153.2	206.0	201.3	390.0	58.2
O	176.6	270.1	223.5	111.4	729.9	160.8	157.5	215.6	222.0	361.6	67.8
N	171.7	260.0	211.6	117.4	534.1	163.0	159.8	227.3	240.2	361.6	69.5
D	162.3	251.3	194.1	105.9	170.0	153.9	171.4	164.5	171.2	404.6	63.6
1960 J	166.2	253.7	189.7	109.8	183.1	163.2	159.6	163.0	171.0	431.0	63.5
F	169.5	258.6	208.0	112.8	199.4	171.4	161.0	177.9	189.5	403.2	62.1
M	170.5	255.8	197.8	109.4	201.1	174.4	163.2	190.0	207.6	409.5	59.1
A	164.0	234.3	187.7	106.7	222.6	161.9	166.1	190.1	204.2	349.0	41.3
M	169.4	250.0	189.6	110.4	488.8	168.4	157.9	207.7	216.7	377.6	42.1
J	173.0	258.2	203.0	112.9	648.2	174.3	174.2	196.4	203.9	369.9	42.5
J	161.5	263.1	211.3	114.8	680.0	172.3	163.6	168.2	168.2	379.0	45.9
A	162.4	254.1	208.0	106.9	721.4	170.4	175.7	185.0	189.1	345.8	33.6
S	169.9	264.7	207.4	107.5	637.1	160.0	172.4	212.3	224.9	376.5	62.6
O	171.3	253.4	202.2	117.5	473.0	162.2	165.3	207.8	211.3	351.1	64.7
N	170.9	252.1	188.7	114.6	222.0	176.2	167.6	227.3	236.9	378.5	70.4
D	159.9	241.1	181.7	110.6	198.4	169.2	176.4	185.0	193.9	391.3	51.8
1961 J	160.0	247.6	183.2	109.8	266.8	162.2	169.4	177.8	187.3	417.0	55.8
F	166.5	255.1	186.9	113.2	279.3	162.3	173.5	200.0	223.9	426.4	54.5
M	164.6	235.4	173.1	110.2	251.5	158.1	159.2	205.8	228.2	380.5	41.2
A	166.4	243.8	174.5	112.9	289.0	161.1	159.8	203.8	216.9	401.0	45.8
M	171.5	262.9	182.8	107.8	466.2	162.8	180.8	206.5	222.2	429.6	50.7
J	179.8	274.1	201.6	106.7	625.3	182.9	185.2	226.5	237.6	417.4	46.3
J	168.7	275.7	206.9	103.9	890.9	170.8	187.5	192.7	197.6	423.2	41.3
A	172.4	276.6	198.0	100.6	738.5	170.1	184.6	215.2	221.8	428.0	26.1
S	182.4	293.0	209.7	100.7	772.7	171.8	200.7	229.7	235.0	457.2	52.8
O	183.8	285.1	210.3	105.3	749.5	184.1	203.1	236.1	243.1	426.5	63.7
N	184.9	286.1	195.6	107.5	410.6	182.2	213.8	240.4	252.6	477.7	63.2
D	173.8	267.8	177.2	106.4	316.3	165.3	188.0	206.4	214.1	484.2	57.6
1962 J	173.3	275.1	180.9	100.6	326.8	153.6	194.8	194.1	208.5	516.0	57.2
F	181.9	279.5	180.1	102.5	294.5	164.4	185.7	212.4	236.0	522.9	52.3
M	182.4	277.9	180.8	102.6	317.2	169.1	198.7	224.8	248.9	507.2	51.7
A	180.2	267.3	186.7	107.3	453.1	160.9	182.8	224.2	238.1	441.0	37.1
M	188.4	290.4	207.9	98.9	822.0	170.1	190.1	225.6	238.9	459.2	44.3
J	194.8	293.3	220.0	97.5	956.2	188.2	177.9	236.2	244.2	432.6	44.2
J	182.0	295.2	213.8	98.1	951.8	181.8	174.5	209.8	212.6	458.8	45.8
A	183.5	301.9	216.3	96.2	944.3	197.5	183.9	234.0	245.6	467.2	30.5
S	193.6	305.3	212.5	100.6	885.4	190.9	182.6	238.6	242.8	490.2	48.1
O	195.4	300.1	204.3	100.1	804.3	174.7	153.2	246.1	252.4	485.0	59.4
N	194.6	288.5	190.5	99.9	448.0	193.7	197.1	233.9	243.0	483.7	59.3
D	182.2	274.2	179.0	97.2	386.0	174.9	189.5	190.7	197.7	505.5	55.2

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

Unadjusted for seasonal variation										

¹ For Annual Averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

		Non-durable manufacturing									
		Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
		Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
Unadjusted for seasonal variation											
1956 D.....	137.5	129.9	132.9	120.7	114.0	192.8	144.6	150.2	104.4	100.3	
1957 J.....	118.5	116.1	104.3	108.4	95.8	119.9	149.8	153.3	115.4	119.7	
F.....	117.4	118.9	114.1	99.6	114.3	132.2	156.7	174.7	128.1	136.8	
M.....	118.8	112.8	127.8	115.7	138.0	122.0	157.5	165.3	133.3	145.6	
A.....	130.5	112.0	135.2	100.2	155.3	132.7	169.4	148.7	121.9	132.8	
M.....	132.6	119.9	147.3	142.0	153.4	144.2	177.1	156.5	119.5	129.2	
J.....	139.3	123.7	170.4	162.1	176.1	174.2	181.8	164.9	115.9	121.3	
J.....	134.9	113.7	165.0	177.8	165.5	155.9	133.3	118.8	83.7	83.6	
A.....	134.5	120.7	159.8	168.8	152.8	171.2	165.0	108.7	116.7	122.8	
S.....	133.5	130.8	151.4	128.5	137.5	198.0	172.6	150.3	119.1	125.0	
O.....	133.2	153.3	150.7	111.1	127.1	249.3	161.2	149.1	113.4	115.1	
N.....	131.8	151.5	163.8	114.6	139.5	281.0	159.9	158.4	115.6	117.2	
D.....	129.8	128.0	129.0	127.1	118.8	155.9	147.5	124.9	105.0	99.1	
1958 J.....	130.0	117.7	103.1	113.5	90.8	119.4	148.5	114.8	111.4	114.9	
F.....	128.7	116.1	121.5	107.2	125.3	131.0	171.7	132.4	123.2	136.5	
M.....	128.8	110.3	131.0	128.0	133.4	131.3	170.3	124.7	123.6	140.9	
A.....	135.2	122.5	146.6	134.3	151.3	154.4	171.2	127.1	114.6	128.1	
M.....	139.4	131.2	158.1	142.5	160.3	175.9	181.3	134.9	113.7	124.8	
J.....	146.2	133.7	170.2	173.8	171.3	168.9	197.3	155.3	113.7	122.0	
J.....	145.0	117.7	164.6	188.3	164.5	143.5	153.9	122.9	82.7	84.9	
A.....	143.7	122.4	156.4	213.4	126.3	163.6	175.9	112.0	120.3	131.0	
S.....	142.5	132.8	147.3	153.7	95.0	243.9	190.7	157.8	122.4	131.9	
O.....	141.8	162.1	160.0	127.2	130.7	250.7	172.0	149.1	120.3	126.3	
N.....	139.1	159.1	178.9	127.6	151.8	306.2	190.1	170.3	121.7	126.1	
D.....	133.7	138.0	134.8	141.4	122.2	158.9	155.8	145.4	105.1	105.3	
1959 J.....	132.5	128.5	105.4	117.6	82.0	144.9	156.7	146.8	118.2	127.7	
F.....	132.2	129.2	118.4	108.4	104.2	163.7	187.7	183.7	133.6	152.9	
M.....	132.5	114.2	132.0	111.6	141.5	136.8	175.3	165.7	130.2	147.6	
A.....	138.2	130.9	151.1	141.1	148.9	172.5	183.0	169.5	132.8	149.3	
M.....	140.9	135.4	165.4	155.0	160.8	194.5	185.7	171.9	126.6	140.2	
J.....	147.0	135.9	182.1	181.5	186.9	179.9	199.3	181.7	123.5	135.9	
J.....	147.8	122.4	169.1	213.2	160.7	144.3	145.0	137.8	89.8	92.8	
A.....	146.3	128.0	199.8	224.6	174.7	237.7	168.9	124.4	124.1	136.2	
S.....	145.2	136.7	168.8	168.7	138.4	224.5	187.9	171.1	121.6	132.7	
O.....	149.4	163.0	167.8	157.0	130.8	268.7	198.3	164.4	120.0	129.5	
N.....	148.0	160.3	170.8	133.2	152.7	259.6	196.7	174.7	116.9	123.9	
D.....	143.5	135.5	138.9	159.4	121.7	157.1	173.8	141.6	106.3	110.9	
1960 J.....	135.2	132.5	114.5	127.3	96.6	140.9	171.5	158.0	116.4	130.6	
F.....	133.4	135.2	131.2	135.9	116.0	162.5	178.0	170.6	126.1	144.2	
M.....	134.6	134.4	140.0	128.8	145.9	142.7	182.4	158.8	123.8	143.8	
A.....	138.6	132.6	150.8	135.1	156.4	160.1	168.9	143.6	115.6	132.8	
M.....	142.7	139.6	176.3	175.4	173.2	190.6	186.6	135.1	104.1	116.4	
J.....	148.2	143.2	185.4	175.6	182.4	210.9	200.8	154.4	105.5	117.1	
J.....	153.8	129.6	167.9	202.3	173.8	120.9	135.0	121.6	78.6	78.9	
A.....	152.1	131.8	182.5	199.6	153.5	231.0	183.3	109.6	114.1	128.0	
S.....	150.8	148.1	169.9	164.0	132.3	245.9	202.7	148.3	122.5	137.5	
O.....	149.4	167.9	186.0	162.7	144.4	302.2	195.2	142.2	115.2	126.0	
N.....	147.6	176.1	179.8	153.7	152.4	278.1	196.7	152.6	114.9	120.8	
D.....	142.4	143.2	137.5	143.4	129.6	151.3	182.6	125.3	105.0	108.3	
1961 J.....	138.4	137.8	110.6	136.8	87.1	134.3	177.4	124.1	115.0	124.9	
F.....	137.4	142.2	131.6	133.7	117.2	164.8	193.8	134.8	132.2	151.6	
M.....	139.8	137.8	141.5	119.4	145.7	160.2	186.3	136.9	131.9	148.9	
A.....	145.5	141.7	155.9	147.9	156.0	168.6	194.5	143.7	130.9	146.8	
M.....	149.4	148.5	159.7	141.5	162.9	174.0	196.5	142.5	120.1	129.6	
J.....	160.0	149.7	187.0	194.6	180.0	201.1	231.3	161.7	125.6	135.9	
J.....	156.6	122.9	185.1	235.1	177.7	152.4	148.9	132.4	91.3	95.2	
A.....	153.0	133.2	185.9	225.8	161.4	204.0	197.3	117.1	125.6	138.5	
S.....	152.5	146.8	182.8	187.8	145.0	253.0	204.7	164.1	133.0	143.6	
O.....	155.2	172.2	179.5	144.4	147.2	286.1	207.7	167.8	128.7	136.2	
N.....	153.3	172.2	190.7	151.8	156.3	320.3	209.1	167.5	132.0	139.2	
D.....	148.7	151.6	153.3	168.6	135.0	182.0	175.9	155.8	118.9	121.0	
1962 J.....	133.7	146.9	118.3	129.8	85.7	180.5	195.2	145.1	130.5	140.8	
F.....	133.1	146.9	138.5	145.8	123.1	169.4	204.1	167.3	140.6	158.6	
M.....	135.9	144.3	155.6	138.5	150.1	193.6	207.7	160.2	140.5	158.5	
A.....	142.8	153.3	166.3	143.5	173.6	182.7	198.7	162.7	133.0	148.7	
M.....	147.9	162.1	184.2	185.7	184.0	190.0	210.0	166.4	123.4	136.8	
J.....	155.4	164.1	218.3	224.0	203.4	256.0	236.9	192.5	129.3	143.3	
J.....	151.9	138.2	181.8	221.6	196.0	110.6	157.5	147.9	93.6	96.9	
A.....	150.0	148.4	186.2	210.4	156.2	232.9	201.7	125.9	128.2	142.4	
S.....	149.7	160.1	186.7	200.2	146.1	250.4	216.2	196.1	130.2	142.5	
O.....	151.6	188.6	175.9	132.8	146.2	293.9	212.4	186.9	126.4	132.4	
N.....	148.5	186.1	188.0	165.1	157.1	290.9	220.3	195.5	130.0	137.2	
D.....	144.2	160.6	163.0	180.0	154.0	168.8	184.2	164.8	114.8	114.4	

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

Non-durable manufacturing									
Textiles					Clothing		Paper products		Printing, publishing and allied industries
Total	Cotton goods	Wool goods	Synthetic textiles and silk	Total	Men's women's and children's clothing	Total	Pulp and paper		
Unadjusted for seasonal variation									
1956 D	123.0	96.9	98.4	167.0	113.1	105.7	130.4	129.5	141.9
1957 J	117.5	103.0	81.6	152.8	119.2	114.6	131.8	131.6	134.8
F	137.1	122.7	104.5	187.8	126.2	123.6	140.2	141.6	145.2
M	127.8	105.4	106.8	171.8	129.0	126.4	143.3	143.8	143.1
A	122.0	101.9	90.2	167.1	120.2	117.3	138.0	138.4	141.7
M	117.2	95.3	87.4	160.2	114.2	109.8	141.4	141.3	141.1
J	119.3	99.9	101.8	153.5	110.8	105.4	140.4	138.4	144.2
J	90.9	71.9	69.8	103.6	108.8	109.7	134.2	130.5	136.9
A	115.4	99.9	83.0	155.3	118.4	116.5	141.2	138.6	132.8
S	120.7	103.2	85.2	167.7	120.0	114.6	136.3	132.4	138.3
O	115.3	101.6	77.3	152.8	116.0	110.4	136.5	133.3	134.4
N	124.6	110.7	85.8	170.3	112.5	103.6	132.6	129.3	132.3
D	103.3	83.9	69.4	136.3	106.1	98.8	110.2	103.4	133.7
1958 J	98.7	89.1	66.4	120.0	115.1	114.0	116.7	112.3	122.1
F	109.1	94.9	75.9	147.1	121.6	119.8	129.8	128.9	134.4
M	104.6	90.3	73.8	137.2	122.0	121.8	133.5	133.3	137.3
A	106.2	90.6	72.5	142.6	113.5	109.9	134.9	132.9	131.9
M	106.5	87.2	76.5	143.2	109.0	105.6	139.0	135.6	138.8
J	111.7	88.2	71.6	164.0	106.4	102.2	137.8	132.3	132.5
J	84.9	56.4	54.5	113.3	106.6	106.4	134.5	127.8	128.3
A	111.6	91.4	75.7	157.8	116.1	113.9	140.2	134.3	131.3
S	119.1	104.9	77.3	164.8	120.6	117.1	139.6	133.5	134.6
O	122.8	97.8	84.8	177.0	116.0	109.0	147.8	142.6	135.6
N	128.0	106.3	90.1	180.8	116.3	106.2	144.8	140.8	149.4
D	115.0	84.9	71.8	170.1	109.3	100.7	128.5	123.3	137.0
1959 J	116.9	95.1	69.9	168.1	110.6	108.4	133.3	130.1	128.2
F	132.1	109.6	89.5	193.2	120.1	116.2	139.2	137.3	136.0
M	127.8	108.1	77.5	186.1	119.6	116.0	139.3	136.2	143.9
A	132.7	110.6	84.1	194.7	115.2	110.5	144.6	141.5	144.9
M	126.4	99.2	86.3	180.1	111.8	108.0	149.8	147.9	145.7
J	128.8	96.9	88.8	188.9	111.1	106.2	146.9	143.3	142.8
J	97.8	55.3	66.7	138.0	107.4	107.2	142.9	137.7	136.2
A	126.0	93.2	89.8	185.3	113.2	112.2	146.3	141.9	138.2
S	128.8	93.8	100.1	185.3	119.4	119.7	146.2	141.5	148.4
O	130.1	94.0	91.6	192.9	114.7	111.0	155.2	153.3	153.5
N	129.8	94.1	93.5	191.7	111.3	104.7	154.1	153.5	153.3
D	116.0	81.0	80.2	168.3	102.9	98.1	139.0	137.0	147.1
1960 J	125.2	87.5	87.2	192.1	111.0	110.5	140.5	141.0	143.0
F	130.5	93.8	85.3	206.6	117.1	118.6	145.5	146.1	149.0
M	135.7	100.7	89.3	215.8	117.3	118.8	147.3	150.3	145.7
A	124.7	92.9	78.4	191.6	107.3	107.9	145.1	145.8	143.4
M	123.1	92.5	68.7	193.3	102.1	103.1	151.9	152.2	148.3
J	126.2	88.9	78.4	203.3	100.0	99.7	150.9	150.2	151.3
J	90.4	56.7	53.0	126.3	100.1	104.1	146.0	143.3	138.3
A	114.2	84.4	80.0	164.9	108.4	110.8	150.2	148.3	136.6
S	123.0	90.6	81.9	186.5	112.8	115.4	150.6	148.5	147.1
O	127.5	96.4	84.5	192.5	109.1	108.6	156.3	155.6	152.7
N	127.1	98.8	81.1	190.2	107.8	105.6	158.5	160.1	156.6
D	122.2	91.6	74.6	187.7	101.8	99.7	138.2	136.6	146.3
1961 J	124.7	94.2	70.5	199.0	107.6	110.7	141.6	142.5	142.6
F	133.7	99.2	78.8	220.8	113.8	118.7	147.7	151.5	144.7
M	134.9	97.3	80.5	225.0	113.7	119.9	148.3	151.1	151.4
A	130.8	95.8	79.3	211.6	104.4	106.0	152.1	153.1	148.3
M	132.6	99.2	74.2	217.0	101.0	102.0	155.5	155.8	149.5
J	142.4	98.1	94.6	239.3	101.4	101.7	157.5	154.6	143.3
J	108.8	68.0	67.0	169.2	102.4	105.2	152.2	148.6	138.8
A	128.9	95.2	76.0	207.0	107.1	109.8	156.3	152.6	141.3
S	144.5	107.6	90.6	236.9	114.0	116.7	155.9	154.7	153.3
O	144.4	114.8	85.1	229.5	108.9	108.8	163.1	162.7	157.1
N	146.8	113.4	88.5	236.7	108.0	105.4	163.4	164.1	156.5
D	142.4	102.6	78.2	242.0	102.4	99.8	146.8	145.4	151.5
1962 J	139.2	104.9	71.0	233.9	107.1	111.1	146.8	147.4	143.1
F	153.6	118.1	81.8	264.7	112.4	116.9	155.4	158.3	153.7
M	150.4	118.6	76.7	255.1	114.5	118.9	158.3	159.7	157.5
A	142.1	114.0	89.6	218.9	108.6	110.6	157.9	157.4	155.2
M	148.8	111.0	81.6	251.0	105.1	105.2	160.1	160.2	160.1
J	155.0	99.9	97.3	272.8	106.9	104.3	163.4	161.4	154.0
J	120.0	72.3	73.3	188.8	107.0	107.8	157.0	153.0	147.6
A	134.8	93.0	83.1	213.7	112.9	112.1	162.1	159.7	147.5
S	154.3	110.3	99.8	251.8	118.8	117.5	164.8	163.9	154.8
O	155.5	114.1	93.4	253.1	115.5	113.1	167.1	167.1	160.1
N	159.3	109.7	89.6	274.2	113.8	108.4	167.2	168.2	161.6
D	145.7	97.2	81.7	245.5	109.7	106.0	149.0	146.4	152.5

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

		Non-durable manufacturing					Durable manufacturing			
		Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
								Total	Saw and planing mills	Veneers and plywoods
Unadjusted for seasonal variation										
1956 D		221.8	234.7	168.1	186.1	153.2	151.0	114.9	108.2	211.7
1957 J		219.4	231.5	173.0	186.0	149.2	147.9	111.5	105.4	196.7
F		228.8	241.6	182.5	188.5	149.8	151.6	128.0	130.6	229.8
M		219.2	230.9	182.4	192.6	152.9	155.4	134.3	139.3	241.5
A		200.2	209.9	187.3	201.1	154.4	150.9	116.0	113.4	243.5
M		215.9	227.6	180.9	209.8	153.1	155.1	130.2	134.4	273.3
J		232.5	246.6	183.1	199.5	152.5	156.7	148.9	160.7	245.4
J		245.5	261.7	167.7	190.7	151.4	147.4	137.9	144.0	206.7
A		239.1	254.2	178.6	187.9	153.2	140.9	142.4	149.1	259.3
S		228.5	242.7	194.6	197.2	157.4	139.0	136.4	139.0	242.2
O		221.7	235.9	194.2	203.8	158.5	140.7	124.8	122.4	275.1
N		219.3	232.9	195.8	205.8	156.2	145.3	112.4	105.3	212.6
D		212.4	226.4	180.4	205.5	150.8	129.3	105.2	96.8	201.9
1958 J		223.6	238.7	181.1	207.1	146.7	133.2	115.6	115.3	223.9
F		214.3	228.6	184.3	210.4	147.2	136.5	126.4	132.4	249.2
M		200.6	212.9	188.5	215.6	151.2	138.8	129.6	136.3	253.3
A		179.4	189.6	199.5	230.8	156.9	139.3	114.6	112.9	248.3
M		197.8	210.5	207.6	239.5	160.5	149.1	134.3	139.9	245.0
J		215.2	230.5	208.9	234.8	163.8	152.6	146.6	156.9	249.1
J		235.0	253.0	192.3	229.4	167.0	140.3	139.4	145.7	201.8
A		225.2	244.1	198.4	225.3	171.8	134.6	145.7	153.5	251.9
S		225.0	244.3	205.9	229.7	178.9	138.2	144.7	150.6	272.5
O		220.7	238.6	208.0	232.3	183.7	138.1	140.4	143.7	325.9
N		231.4	249.6	210.7	231.8	185.3	143.7	128.8	127.1	269.0
D		233.6	252.3	190.5	230.5	182.4	134.4	118.3	113.4	247.5
1959 J		235.3	253.8	197.6	232.8	175.8	138.2	128.8	131.3	253.2
F		240.8	259.2	206.0	236.6	175.2	145.9	141.8	150.8	297.1
M		240.2	257.9	202.2	240.0	175.9	147.7	141.0	149.9	282.5
A		210.6	224.1	210.1	248.5	176.4	151.3	129.4	132.5	308.5
M		233.1	248.7	214.2	253.4	178.3	156.8	145.8	154.3	273.4
J		238.2	255.5	207.0	247.1	180.0	165.0	164.7	181.2	306.9
J		244.7	262.8	199.3	240.1	181.7	150.3	130.8	131.5	112.0
A		248.2	266.6	206.4	242.3	185.3	139.6	126.6	124.1	91.5
S		256.6	276.4	219.7	251.7	191.5	150.4	135.8	136.1	216.1
O		247.0	264.8	218.7	257.3	195.7	158.7	141.6	144.6	291.3
N		250.1	267.7	215.5	255.7	195.3	148.0	126.8	123.8	304.1
D		253.2	271.5	203.8	257.7	187.1	142.5	126.1	125.6	291.2
1960 J		261.0	280.6	213.7	257.2	181.0	149.6	133.0	138.8	287.8
F		254.6	273.3	214.2	252.7	181.2	150.7	141.2	151.4	316.7
M		248.1	264.9	217.0	249.9	184.4	152.9	140.7	150.7	317.6
A		229.0	243.9	223.9	259.8	186.6	148.3	124.1	126.2	295.7
M		243.7	261.4	226.1	270.9	185.4	153.6	138.3	146.5	308.6
J		258.9	279.9	230.4	270.4	186.8	156.9	153.8	167.8	293.8
J		257.9	279.0	215.5	268.5	189.1	140.4	141.4	148.3	181.5
A		254.3	274.7	218.9	265.4	192.5	135.2	146.5	153.9	222.9
S		252.2	272.4	230.9	263.5	199.3	142.8	141.6	145.5	243.9
O		244.8	263.6	227.6	261.4	205.4	146.0	133.1	133.5	240.1
N		254.0	274.7	215.5	255.9	207.4	145.0	119.7	116.0	258.2
D		248.3	269.0	203.0	254.1	200.3	135.6	118.2	116.1	238.5
1961 J		249.8	270.6	213.4	253.3	192.6	134.4	123.4	126.0	242.5
F		253.2	273.9	217.7	251.7	194.4	140.6	135.6	145.0	268.1
M		243.7	262.4	212.9	252.7	195.0	142.5	139.0	150.2	294.0
A		249.7	268.3	225.2	259.3	197.3	143.0	125.0	129.1	290.7
M		257.1	276.5	228.1	271.2	201.7	149.6	137.3	145.4	315.8
J		262.3	282.0	234.7	268.8	207.5	159.8	156.8	172.0	327.9
J		232.3	248.2	217.9	257.5	211.3	145.0	150.3	161.4	267.3
A		282.8	305.7	222.3	254.3	217.3	144.2	151.5	161.6	318.5
S		281.3	303.8	229.3	254.1	227.8	155.6	152.3	160.8	330.1
O		253.3	272.6	226.9	253.4	236.5	158.5	141.3	144.4	293.4
N		272.2	293.6	223.6	252.8	241.0	159.2	132.9	132.9	309.2
D		267.9	289.8	212.7	257.5	233.5	148.6	130.2	131.1	286.9
1962 J		275.6	298.5	222.8	261.7	224.6	147.1	134.6	140.6	296.8
F		283.7	307.4	231.7	261.2	223.8	157.3	151.9	165.2	343.0
M		260.1	280.0	232.4	259.6	226.1	159.9	154.0	168.0	332.2
A		246.5	264.8	241.8	271.9	226.8	160.3	137.6	143.6	336.9
M		260.5	280.4	243.5	290.4	227.2	170.6	149.7	160.2	332.0
J		254.8	273.3	250.8	288.1	232.6	179.8	168.6	185.9	341.9
J		254.2	272.8	233.7	281.0	235.7	163.8	159.0	170.6	312.7
A		285.2	307.0	231.1	264.1	241.4	156.4	161.7	173.5	293.7
S		286.6	309.4	235.1	249.0	249.9	171.7	167.5	180.3	359.6
O		291.9	315.8	232.7	253.1	255.4	175.8	153.6	160.1	337.5
N		286.9	310.8	227.3	254.6	256.9	174.5	141.4	143.7	334.6
D		287.1	311.3	215.9	257.5	245.9	162.4	138.8	141.9	336.5

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

		Durable manufacturing								
		Wood products		Iron and steel products					Transportation equipment	
				Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products		
		Sawmills	Furniture						Total	Aircraft and parts
Unadjusted for seasonal variation										
1956 D	86.7	145.5	140.3	159.5	140.4	145.1	135.2	172.2	329.2	211.0
1957 J	88.6	140.0	141.8	158.5	132.2	158.9	130.0	171.4	340.1	205.8
F	123.0	137.4	147.1	156.9	158.8	159.0	126.2	165.6	348.6	190.6
M	133.1	137.9	149.5	154.8	167.2	158.4	124.6	176.3	351.1	218.4
A	95.1	135.1	144.5	152.3	127.9	158.0	126.7	179.9	342.4	226.9
M	121.1	134.2	147.6	151.3	163.4	155.8	125.9	178.1	351.1	220.7
J	159.4	136.4	148.2	150.5	157.0	156.9	130.8	169.6	356.1	201.4
J	137.5	138.0	139.2	146.0	121.0	149.4	133.2	150.6	354.5	158.7
A	137.6	143.5	134.1	142.3	107.2	139.2	132.6	119.4	350.7	88.8
S	125.0	148.9	136.9	140.9	106.5	140.9	128.8	102.8	355.2	50.1
O	98.2	149.6	136.8	138.0	118.6	147.6	123.7	115.6	353.6	82.5
N	82.9	147.9	132.6	134.1	111.8	145.6	118.7	154.9	351.0	181.9
D	74.1	143.4	117.3	130.5	81.1	118.0	113.7	129.9	350.6	118.3
1958 J	100.7	134.9	122.1	123.6	141.6	126.2	112.8	137.2	342.9	144.1
F	123.0	131.2	125.2	119.5	150.8	128.9	115.3	140.4	333.2	156.3
M	127.0	133.1	127.8	120.4	152.8	132.1	119.3	145.0	331.8	165.5
A	92.6	135.8	129.5	121.6	144.4	136.9	126.6	150.4	340.2	173.7
M	129.2	139.6	134.4	122.0	171.5	130.9	134.7	157.9	338.5	189.9
J	149.8	140.3	139.1	121.9	169.5	143.6	142.4	151.8	331.8	175.2
J	137.0	142.4	126.8	121.2	130.4	126.1	150.1	125.4	333.1	119.1
A	140.9	147.9	125.6	121.9	125.4	98.2	155.0	91.0	331.8	46.7
S	133.6	152.7	129.1	124.1	127.6	95.5	158.5	95.7	329.8	57.1
O	117.3	155.8	126.3	124.6	133.3	95.2	152.7	109.9	324.4	91.3
N	102.0	155.6	131.6	125.4	135.8	124.3	141.8	142.0	318.8	171.5
D	88.2	151.2	122.3	125.4	113.3	123.5	132.5	143.6	317.6	172.4
1959 J	116.2	143.8	129.0	125.2	130.0	144.4	129.9	141.5	320.2	164.6
F	139.4	142.0	134.5	125.9	143.7	147.3	131.4	151.9	259.6	198.6
M	139.9	140.5	138.4	126.6	152.9	150.7	135.4	150.1	234.6	194.1
A	111.1	140.4	144.7	129.2	159.5	168.0	142.5	158.9	241.9	209.9
M	143.1	144.3	148.0	135.1	161.7	161.5	148.3	156.9	243.0	202.0
J	174.3	144.0	155.2	140.6	164.9	171.1	156.6	160.7	245.5	212.4
J	125.4	144.3	146.6	141.3	150.5	160.8	162.9	135.9	244.3	159.3
A	117.7	149.2	148.4	139.7	146.2	159.7	165.6	82.2	241.6	32.2
S	120.7	153.9	156.8	140.4	163.1	179.6	167.4	96.7	239.7	66.0
O	125.4	154.6	162.9	143.4	193.1	194.7	161.7	123.2	241.2	130.6
N	96.2	153.1	157.4	143.6	171.9	193.2	152.3	102.4	242.3	87.9
D	104.2	146.0	144.2	140.3	152.2	180.8	141.2	117.6	238.4	128.0
1960 J	126.5	138.1	144.7	137.8	178.2	180.4	133.6	149.9	238.6	204.9
F	142.4	136.3	142.7	135.5	148.3	183.7	130.9	144.3	233.9	187.4
M	141.7	135.3	143.9	135.9	156.0	186.5	132.6	152.8	232.6	207.8
A	109.8	135.3	139.6	137.7	140.8	168.8	136.8	154.5	236.1	209.3
M	136.9	135.3	141.2	137.9	142.1	164.9	143.6	156.1	236.5	214.7
J	167.3	137.0	142.2	137.8	136.4	161.5	150.9	147.7	234.6	198.1
J	151.7	139.9	127.0	137.8	97.4	140.2	152.9	112.3	226.6	119.8
A	154.2	146.0	131.0	135.2	103.5	143.8	153.8	70.8	225.7	22.7
S	139.5	150.7	136.0	132.5	142.5	161.0	155.8	96.6	236.7	84.0
O	123.3	151.2	136.8	132.7	149.9	166.4	151.3	117.3	245.6	133.2
N	96.8	148.0	137.5	131.7	193.2	159.4	144.3	129.6	253.5	164.7
D	102.1	142.1	125.4	128.8	184.8	128.5	135.4	127.9	260.9	160.8
1961 J	118.0	136.4	125.3	125.7	172.8	141.1	128.6	126.7	266.6	156.9
F	141.9	132.8	129.8	125.4	171.3	152.7	127.7	134.2	271.5	173.0
M	145.6	131.5	135.1	127.9	179.7	162.8	129.2	132.4	272.2	166.7
A	114.7	132.7	135.5	130.1	147.3	169.4	134.4	139.7	268.5	186.8
M	132.4	136.5	140.0	131.6	128.5	189.3	139.7	139.5	266.8	187.3
J	164.7	141.1	149.0	133.5	164.3	194.2	147.6	146.6	267.3	198.1
J	153.7	144.1	136.7	135.4	117.6	176.5	152.2	111.9	262.4	111.4
A	146.7	150.2	147.8	136.7	166.4	186.7	152.4	80.7	258.7	31.7
S	143.9	156.2	152.6	138.5	170.8	191.4	153.1	111.4	263.1	108.0
O	126.4	156.7	147.7	139.8	147.9	188.9	148.8	135.2	272.2	166.7
N	109.7	155.1	143.2	138.8	124.4	179.9	142.3	153.1	280.5	210.2
D	111.8	150.3	130.4	137.6	111.5	155.3	136.5	145.9	286.9	191.3
1962 J	127.1	145.5	131.1	136.6	91.2	168.3	134.8	143.9	287.5	185.0
F	158.2	143.2	141.7	137.2	128.0	184.0	136.5	156.4	284.0	213.1
M	163.1	143.2	144.4	140.5	144.3	178.2	140.4	161.5	280.0	220.6
A	127.4	143.9	146.6	143.0	142.7	188.0	145.6	170.2	269.2	239.5
M	150.5	146.5	154.5	145.3	150.7	205.4	153.8	181.5	262.9	265.4
J	181.8	150.5	163.4	147.9	166.8	214.9	167.3	182.2	263.1	266.9
J	160.5	153.4	150.8	147.9	129.5	194.5	174.9	141.9	256.6	175.9
A	166.8	157.6	158.9	151.4	136.2	206.9	179.0	85.1	252.4	26.0
S	169.1	163.9	165.9	158.0	163.2	200.3	179.0	138.6	253.2	159.2
O	143.8	164.7	160.9	161.5	136.6	192.8	169.4	165.7	245.8	225.2
N	123.1	160.8	160.9	160.8	137.2	206.4	158.8	180.2	235.4	261.6
D	123.3	156.4	145.5	158.7	99.8	176.7	147.9	172.9	229.4	243.9

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Unadjusted for seasonal variation										
1956 D	141.2	93.9	155.1	139.9	118.0	156.5	202.0	177.7	490.1	151.2
1957 J	141.4	95.6	155.9	136.6	113.9	153.1	186.4	176.4	346.7	149.1
F	136.2	95.4	161.4	135.3	109.9	151.5	189.2	174.7	363.2	163.0
M	130.4	95.4	167.8	132.4	106.5	148.8	187.1	172.9	336.4	181.7
A	131.7	96.6	171.8	130.8	102.9	148.2	178.4	168.2	295.6	169.6
M	132.6	96.4	170.0	128.4	103.5	144.4	176.8	164.1	307.4	164.0
J	128.1	95.5	167.0	117.0	104.2	126.5	182.9	160.4	363.2	172.2
J	119.3	94.5	165.1	118.1	104.4	128.0	171.3	157.2	290.7	149.0
A	106.7	90.4	162.9	120.6	105.5	130.9	174.7	156.8	353.1	124.6
S	100.9	87.7	160.5	118.4	106.5	126.3	193.8	159.5	495.1	143.1
O	105.4	88.0	153.9	130.7	105.2	145.8	191.0	158.6	484.9	139.3
N	111.8	86.9	151.7	133.6	102.8	151.4	192.0	155.5	497.7	143.9
D	113.3	85.1	152.0	129.6	100.6	146.9	179.6	156.0	399.2	131.9
1958 J	107.7	82.9	145.8	134.5	97.8	156.9	170.1	151.6	348.1	127.7
F	104.4	81.2	146.9	134.7	97.2	157.5	169.1	146.0	360.7	137.6
M	107.2	79.9	155.6	131.8	99.5	152.4	168.7	144.8	351.1	150.2
A	111.9	78.5	164.9	133.5	102.8	153.7	166.9	144.0	345.9	151.4
M	120.0	76.7	167.9	135.6	108.2	155.6	169.0	145.4	353.1	163.0
J	123.7	75.9	166.1	135.3	114.2	152.6	174.9	148.1	410.8	170.6
J	105.2	73.7	158.3	128.0	117.3	139.8	168.6	153.4	362.3	152.3
A	94.5	67.6	131.8	125.1	119.4	134.2	178.2	155.8	471.2	121.0
S	111.0	63.1	120.4	128.0	121.2	136.6	189.7	154.4	512.3	159.4
O	118.3	63.1	121.0	111.7	122.1	109.5	191.0	151.6	527.8	161.6
N	124.1	61.2	126.6	110.9	121.6	107.5	193.8	146.1	539.4	175.8
D	134.5	58.5	128.6	111.5	120.2	110.1	174.3	139.6	375.0	162.5
1959 J	137.4	58.8	129.8	121.9	118.7	128.2	175.0	136.3	407.0	169.0
F	140.0	60.2	138.2	125.2	118.3	133.3	178.6	137.2	428.1	185.9
M	142.9	60.9	148.8	133.3	118.0	146.0	173.1	138.7	374.0	181.7
A	146.2	62.2	159.0	136.5	118.6	150.3	174.6	139.7	378.1	179.2
M	148.0	64.1	160.4	135.4	119.4	147.8	178.9	142.2	379.9	186.8
J	148.2	64.9	153.0	137.5	119.7	149.4	183.2	144.7	387.3	191.9
J	128.7	65.0	148.8	132.3	118.9	141.6	176.0	144.4	349.1	169.2
A	112.3	62.5	147.5	130.8	120.4	138.6	186.5	143.5	455.7	160.6
S	124.5	61.1	145.3	140.0	123.8	150.6	201.6	146.8	490.4	203.8
O	133.2	61.7	140.5	141.5	122.4	152.7	202.9	147.9	508.1	185.1
N	113.7	60.2	135.5	140.8	118.0	153.7	199.9	145.6	482.7	187.4
D	120.2	56.2	131.2	140.7	115.2	156.1	187.4	142.6	408.4	175.5
1960 J	133.6	53.8	134.8	139.1	114.4	155.4	186.5	138.8	406.6	188.7
F	138.0	52.1	144.6	147.3	116.0	168.1	189.4	136.5	432.6	209.5
M	134.8	52.0	155.9	149.8	117.0	171.4	186.3	136.9	403.0	210.1
A	133.6	53.4	161.6	148.2	116.8	169.0	179.9	137.2	358.9	201.8
M	133.3	54.0	156.8	145.9	115.5	165.2	179.2	137.2	375.5	186.5
J	127.4	54.5	150.2	150.5	114.8	172.3	180.3	138.0	382.9	180.8
J	107.1	53.8	147.1	146.5	116.0	166.1	168.9	138.4	304.6	162.3
A	95.5	51.1	140.8	150.2	116.9	170.9	174.1	137.2	381.7	142.6
S	107.3	49.2	135.9	151.3	115.2	172.5	187.0	136.3	469.6	161.7
O	114.8	48.5	133.1	151.0	113.8	171.3	185.5	133.4	466.1	166.0
N	113.8	47.1	130.2	151.2	113.7	171.7	178.4	128.8	439.2	159.6
D	114.0	44.8	127.2	148.7	111.7	169.9	166.5	124.8	363.0	149.8
1961 J	115.0	43.7	125.3	145.3	111.5	165.7	163.9	122.2	359.6	152.5
F	116.4	43.0	133.8	146.9	114.1	168.0	170.2	121.4	426.4	156.3
M	117.8	42.2	138.4	146.2	115.0	166.8	166.7	122.3	361.7	174.6
A	119.5	41.9	132.1	147.3	115.9	167.2	165.2	124.6	321.3	181.9
M	122.5	41.4	124.5	149.5	118.3	171.1	166.6	127.5	339.4	166.8
J	123.3	41.9	154.2	146.9	121.8	165.5	179.8	131.7	392.2	189.5
J	119.7	44.0	153.4	137.3	124.4	149.9	172.7	134.3	356.5	155.9
A	120.2	45.0	152.5	140.6	127.0	153.5	182.4	135.7	428.4	152.8
S	121.8	44.0	157.6	146.9	131.2	160.6	204.0	138.5	532.0	189.6
O	123.9	43.1	158.4	152.8	132.1	168.9	206.7	142.3	549.4	174.9
N	127.3	42.4	157.4	158.2	129.2	177.9	210.1	142.1	551.7	189.7
D	127.7	41.6	154.7	153.0	126.2	171.9	203.4	141.7	528.0	171.0
1962 J	130.4	41.0	155.6	151.0	124.5	170.4	199.5	140.4	493.3	178.4
F	133.7	40.9	167.5	150.8	124.3	170.1	205.5	138.6	540.0	191.8
M	139.4	41.2	180.4	150.1	126.7	167.8	204.8	139.6	526.0	193.9
A	147.7	41.5	186.2	148.0	127.8	164.3	201.0	141.8	473.2	196.6
M	152.3	41.9	191.8	153.0	128.0	171.1	200.5	144.6	454.4	193.7
J	148.8	42.2	198.9	148.7	128.6	163.3	214.4	150.0	508.0	217.4
J	126.5	42.2	195.3	147.4	128.8	160.4	199.8	152.6	417.5	171.2
A	140.4	41.7	193.3	148.8	130.2	162.0	213.1	152.8	518.1	183.4
S	146.6	42.2	196.4	147.4	129.4	159.9	227.5	157.5	555.3	220.6
O	157.3	41.8	197.1	145.9	126.8	157.3	238.4	160.4	674.9	208.8
N	166.1	40.9	193.2	148.8	124.4	162.6	232.5	159.9	620.1	216.9
D	169.5	40.9	187.2	146.8	123.1	161.3	217.2	159.4	508.3	208.3

¹ For annual averages, see Table 3.

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation,¹ by Months, Dec. 1956 - Dec. 1962 - Concluded

	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products				Total	Electric power	Gas
	Total	Concrete products	Hydraulic cement	Domestic clay products			
Unadjusted for seasonal variation							
1956 D	162.1	216.8	155.3	125.6	227.8	227.4	230.9
1957 J	151.1	154.1	162.2	102.6	234.8	231.5	264.8
F	155.9	198.5	163.8	94.5	237.2	230.3	299.4
M	161.1	236.4	172.3	116.8	226.2	224.6	240.2
A	170.7	278.6	178.5	134.4	221.1	220.4	227.4
M	197.2	411.3	218.8	143.0	211.1	215.8	168.8
J	210.9	438.9	250.4	178.4	201.3	208.6	135.7
J	220.1	455.6	299.3	168.5	200.1	210.4	107.7
A	223.8	483.9	288.4	178.4	197.2	207.8	101.7
S	221.3	466.1	277.9	175.2	205.7	215.8	115.1
O	217.2	461.1	266.6	170.7	223.4	230.9	156.2
N	204.6	421.9	236.4	161.6	241.1	243.4	220.2
D	161.4	276.0	138.8	121.5	244.8	243.8	253.7
1958 J	153.9	245.0	136.3	113.2	255.3	249.4	308.2
F	153.8	215.9	154.1	107.2	261.3	250.7	356.7
M	159.5	271.6	150.8	129.2	247.5	241.4	302.6
A	180.5	371.5	199.3	142.1	238.0	234.2	272.1
M	226.1	612.9	253.1	168.6	227.0	232.0	182.2
J	235.5	631.6	295.9	182.2	219.4	226.6	154.9
J	234.4	640.4	266.4	180.5	212.3	222.0	125.4
A	236.8	622.6	276.6	185.5	211.1	221.8	115.6
S	237.2	607.9	263.7	189.0	221.5	230.6	140.1
O	244.3	621.1	284.5	187.4	238.4	245.4	175.9
N	226.9	526.4	240.5	197.2	258.9	259.1	256.8
D	182.4	323.4	158.4	154.0	278.0	267.2	374.6
1959 J	166.4	258.6	122.8	131.1	284.9	265.5	458.8
F	178.7	312.0	123.3	146.8	290.1	268.9	480.1
M	189.4	409.9	143.5	143.5	273.6	260.0	395.7
A	205.3	450.7	196.9	153.0	269.1	261.4	338.0
M	234.2	584.0	254.9	178.8	253.7	253.4	256.2
J	252.8	670.2	292.3	185.7	247.1	251.7	206.2
J	258.7	706.9	310.0	185.2	232.8	239.7	170.8
A	255.4	674.5	294.4	194.7	235.3	242.6	170.1
S	265.5	732.3	304.0	185.8	254.1	259.0	209.8
O	257.7	705.6	261.0	190.7	273.8	274.6	267.1
N	231.1	548.7	217.7	191.3	301.4	291.4	391.5
D	183.7	357.0	141.3	155.4	308.4	292.1	454.8
1960 J	172.0	299.7	101.4	142.7	320.2	296.6	531.5
F	176.1	310.7	124.3	149.4	327.4	300.1	571.8
M	177.9	364.3	131.9	144.1	320.6	295.9	542.6
A	179.5	363.8	150.7	158.2	300.1	283.2	451.5
M	218.5	558.7	221.4	175.6	284.2	279.1	330.1
J	241.1	655.4	270.4	171.2	277.6	279.1	263.7
J	236.3	656.3	262.6	164.3	257.9	263.3	209.1
A	241.4	660.5	281.1	149.7	267.4	271.2	233.2
S	238.3	660.6	261.7	147.6	281.4	284.4	254.3
O	242.0	649.7	275.7	154.0	289.3	286.9	311.2
N	229.6	599.5	222.6	144.3	317.0	302.6	445.9
D	178.1	364.0	141.5	132.4	332.6	306.4	567.3
1961 J	161.3	289.3	118.8	97.1	343.9	308.2	664.0
F	165.0	380.5	102.5	102.7	348.9	308.0	715.6
M	172.7	414.8	125.1	106.2	329.5	299.1	602.5
A	191.4	471.3	182.6	129.5	320.6	293.1	568.2
M	234.0	666.7	263.7	150.3	309.8	292.6	463.8
J	257.7	743.0	307.2	171.8	295.5	287.7	365.9
J	249.5	690.5	278.8	170.0	273.8	272.7	283.7
A	257.3	741.9	285.9	165.9	281.9	280.6	293.6
S	257.5	735.3	286.1	175.9	298.4	294.3	334.9
O	262.2	729.7	274.1	172.1	315.1	304.4	411.5
N	241.5	618.9	217.0	158.8	339.3	318.0	530.6
D	192.4	407.1	133.7	142.6	356.1	323.0	653.3
1962 J	171.1	270.2	122.1	115.0	378.0	333.0	781.9
F	181.3	329.0	137.3	119.8	383.1	333.1	832.1
M	188.5	427.0	156.1	115.6	363.7	322.5	733.6
A	209.2	523.9	191.7	132.0	342.5	311.5	620.7
M	253.7	742.9	268.7	159.8	331.2	316.0	467.1
J	285.1	839.1	339.4	171.9	311.7	303.0	389.6
J	284.5	849.9	318.8	163.9	286.3	280.8	335.9
A	282.3	899.0	306.1	162.1	301.8	296.1	353.4
S	272.5	793.2	324.5	170.2	308.0	297.5	402.1
O	292.8	976.9	298.0	162.2	324.4	309.6	457.6
N	260.7	763.2	244.5	157.1	357.1	327.0	626.7
D	208.6	446.2	196.1	147.8	364.7	327.6	698.5

¹ For annual averages, see Table 2.

TABLE 3. Annual Indexes of Industrial Production, 1956-62¹

	Index of Industrial Production total	Mining									
		Mining total	Metals					Non-metals		Fuels	
			Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
1956	154.9	212.3	151.0	107.9	410.6	135.2	139.0	187.6	188.4	344.7	74.6
1957	155.4	227.8	170.0	106.7	462.6	137.1	146.8	179.0	184.3	358.2	65.4
1958	154.4	227.0	180.3	109.7	321.5	131.8	110.2	170.9	178.3	329.5	56.7
1959	166.1	251.1	201.3	108.4	448.9	151.6	144.8	191.4	193.5	363.1	51.9
1960	167.4	253.3	197.9	111.2	406.3	168.7	166.9	192.6	201.4	380.2	53.3
1961	172.9	266.9	191.7	107.1	504.7	169.5	183.8	211.7	223.4	430.7	49.9
1962	186.0	287.4	197.7	100.1	632.5	176.7	184.2	222.5	234.1	480.8	48.8
Non-durable manufacturing											
Mining		Manufacturing total	Non-durable manufacturing								
Fuels			Non-durable manufacturing total	Foods and beverages total	Foods						
Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products		
1956	235.0	812.7	145.1	138.1	133.1	131.4	144.7	130.5	134.4	116.9	
1957	295.1	859.5	142.9	139.7	135.6	133.2	144.4	136.4	143.8	116.6	
1958	401.6	782.6	140.7	141.3	141.9	140.1	151.7	143.0	146.1	130.6	
1959	503.9	873.7	149.8	150.1	147.6	145.0	168.1	146.7	142.4	132.4	
1960	589.2	909.9	149.3	151.8	150.2	147.1	156.5	152.8	149.5	132.5	
1961	712.0	1,043.7	153.0	157.0	154.2	151.2	158.1	158.3	153.8	138.6	
1962	1,005.7	1,154.0	164.9	164.8	158.9	154.8	159.2	159.3	164.7	137.5	
Non-durable manufacturing											
Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products			
Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes		
1956	135.4	122.0	138.4	122.6	131.4	174.6	145.9	154.0	115.6	119.4	
1957	129.6	125.1	143.2	129.7	139.5	169.7	161.0	147.8	115.6	120.7	
1958	137.8	130.3	147.7	145.9	135.2	179.0	173.2	137.2	114.4	122.7	
1959	142.0	135.0	155.8	155.9	141.9	190.3	179.9	161.1	120.3	131.6	
1960	144.1	142.9	160.2	158.7	146.4	194.8	182.0	143.3	111.8	123.7	
1961	149.2	146.4	163.6	165.6	147.6	200.1	193.6	145.7	123.8	134.3	
1962	145.4	158.3	171.9	173.0	156.3	210.0	203.7	167.6	126.7	137.7	
Non-durable manufacturing											
Textiles				Clothing		Paper products			Printing, publishing and allied industries		
Total	Cotton goods	Wool goods	Synthetic textiles and silk	Total	Men's women's and children's clothing	Total	Pulp and paper				
1956	117.3	101.3	93.0	149.2	117.6	114.1	137.8	137.4	137.3		
1957	117.6	100.0	86.9	156.6	116.8	112.6	135.5	133.6	138.2		
1958	109.9	90.2	74.2	151.5	114.4	110.6	135.6	131.5	134.4		
1959	124.4	94.2	84.8	181.1	113.1	109.9	144.7	141.8	143.2		
1960	122.5	89.6	78.5	187.6	107.9	109.4	148.4	148.2	146.5		
1961	134.6	98.8	80.3	219.5	107.1	110.3	153.4	153.1	148.2		
1962	146.6	105.3	84.9	243.6	111.0	111.0	159.1	158.6	154.0		

¹ Annual averages of monthly indexes in Table 2.

TABLE 3. Annual Indexes of Industrial Production, 1956-62¹ - Concluded

	Non-durable manufacturing					Durable manufacturing				
	Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products			
	Total	Petroleum products	Total	Acids alkalis salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods	
1956	216.1	228.1	174.8	187.8	147.0	153.3	138.3	143.6	247.3	
1957	223.5	236.8	183.4	197.4	153.3	146.7	127.3	128.4	235.7	
1958	216.8	232.7	198.0	226.4	166.3	139.9	132.0	135.6	253.1	
1959	241.5	259.1	208.4	246.9	183.2	149.5	136.6	140.5	252.3	
1960	250.6	269.8	219.7	260.8	191.6	146.4	136.0	141.2	267.1	
1961	258.8	279.0	222.1	257.2	213.0	148.4	139.6	146.7	295.4	
1962	272.8	294.3	233.2	266.0	237.2	165.0	151.5	161.1	329.8	
Durable manufacturing										
Wood products			Iron and steel products				Transportation equipment			
	Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
1956	131.3	140.6	145.3	144.7	155.4	158.3	137.0	157.9	313.1	184.1
1957	114.6	141.0	139.6	146.3	129.4	149.0	126.2	151.2	350.4	162.0
1958	120.1	143.4	128.3	122.6	141.4	121.8	136.8	132.5	331.2	138.6
1959	128.1	146.3	147.2	135.9	157.5	167.7	149.6	131.5	249.4	148.8
1960	132.7	141.3	137.3	135.1	147.8	162.1	143.5	130.0	238.4	159.0
1961	134.1	143.6	139.4	133.4	144.3	174.0	141.0	129.8	269.5	157.3
1962	149.6	152.5	152.1	149.1	135.5	193.0	157.3	156.7	260.0	206.9
Durable manufacturing										
Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies				
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
1956	135.1	89.7	151.7	133.0	119.4	145.9	191.3	157.0	460.3	160.4
1957	121.5	92.3	161.7	127.6	105.5	141.8	183.6	163.4	377.8	152.6
1958	113.5	71.9	144.5	126.7	111.8	138.9	176.2	148.4	413.1	152.8
1959	132.9	61.5	144.8	134.7	119.3	145.7	184.8	142.5	420.7	181.3
1960	121.1	51.2	143.2	148.3	115.2	168.7	180.2	135.3	398.6	176.6
1961	121.3	42.9	145.2	147.6	122.2	165.6	182.6	132.0	428.9	171.3
1962	146.6	41.5	186.9	148.9	126.9	164.2	212.9	149.8	524.1	198.4
Durable manufacturing						Electric power and gas utilities				
Non-metallic mineral products										
	Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas			
1956	191.5	376.5	183.3	160.0	204.9	208.9	169.0			
1957	191.3	356.9	221.1	145.5	220.3	223.6	190.9			
1958	205.9	474.2	223.3	161.3	239.1	240.0	230.4			
1959	223.2	534.2	221.8	170.2	268.7	263.3	316.6			
1960	210.9	511.9	203.8	152.8	298.0	287.4	392.7			
1961	220.2	574.1	214.6	146.2	317.7	298.5	490.6			
1962	240.9	655.0	241.9	148.1	337.7	313.1	558.3			

¹ Annual averages of monthly indexes in Table 2.

TABLE 4. Monthly Index of Industrial Production, 1919-62

1949 = 100

Adjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	27.3	25.7	23.8	25.7	26.2	24.6	26.4	26.0	27.5	28.2	27.3	28.6
1920	27.9	26.9	27.2	26.5	25.8	28.0	25.9	25.5	24.8	23.6	23.8	22.1
1921	21.0	21.8	20.7	21.1	21.1	20.6	21.1	22.8	23.4	23.4	23.0	21.4
1922	23.6	26.0	25.9	23.1	26.4	28.2	28.5	29.1	28.6	28.0	30.0	31.4
1923	31.7	29.4	32.0	32.5	32.1	31.2	32.9	33.1	29.3	31.6	32.2	30.7
1924	32.1	34.0	34.0	32.3	33.0	30.0	30.0	29.1	30.8	31.5	31.9	33.7
1925	34.3	33.8	33.1	33.9	32.8	33.8	34.0	33.3	35.3	36.7	35.9	37.5
1926	36.0	37.3	36.5	36.7	36.5	38.7	38.4	36.8	39.5	38.2	39.0	39.1
1927	38.6	37.7	40.0	39.0	40.0	40.2	36.1	39.5	38.5	36.0	39.1	39.7
1928	38.8	41.2	41.5	39.9	43.0	43.5	44.0	46.2	43.5	44.5	43.6	44.1
1929	48.6	47.7	45.8	50.6	44.9	44.4	45.8	44.6	40.2	43.5	43.5	39.8
1930	42.6	40.7	40.2	39.6	41.6	38.3	38.4	37.0	38.3	37.2	34.4	35.3
1931	33.7	30.4	35.0	36.9	34.0	32.8	33.8	33.2	32.9	32.3	32.2	33.5
1932	32.4	32.0	31.1	29.8	29.8	31.5	29.5	28.8	28.6	29.2	30.9	28.9
1933	28.3	26.4	27.0	27.3	31.0	32.6	35.1	36.7	36.2	35.1	35.3	36.1
1934	37.3	36.5	38.0	39.1	40.1	37.7	37.9	38.7	38.1	38.2	39.7	39.3
1935	40.6	42.1	40.5	43.0	42.1	43.3	43.4	43.6	44.4	44.9	44.8	45.7
1936	45.6	46.5	46.0	47.4	46.9	47.1	48.0	48.0	48.8	48.8	49.2	50.7
1937	51.5	52.7	53.7	53.7	54.2	55.6	55.4	55.8	55.8	55.3	54.8	54.3
1938	53.4	52.3	52.0	52.6	52.2	51.7	52.2	52.5	52.3	51.7	52.0	51.9
1939	51.9	52.8	53.0	53.9	55.3	56.1	56.8	57.2	57.5	59.6	60.1	60.7
1940	61.7	62.4	63.3	62.8	64.7	65.7	66.9	67.8	68.7	69.5	70.3	71.5
1941	73.1	74.3	75.7	77.6	78.7	80.3	81.5	83.3	85.5	86.4	87.8	88.0
1942	90.3	91.3	92.3	93.4	93.3	93.8	95.3	94.9	94.7	95.7	94.7	97.7
1943	96.1	97.4	97.5	97.6	97.5	97.3	97.6	98.3	98.8	98.8	99.3	99.8
1944	100.5	99.4	98.6	98.5	98.5	98.5	98.1	98.4	98.2	97.5	97.2	95.9
1945	95.7	94.5	94.1	92.8	90.9	89.3	88.5	86.3	84.4	83.8	82.5	82.4
1946	82.3	82.2	83.1	83.6	83.8	84.1	84.0	83.4	82.6	83.7	86.5	87.6
1947	88.9	89.1	90.1	90.0	90.8	91.9	93.4	93.9	92.1	92.9	94.2	93.3
1948	94.2	94.4	94.5	96.6	96.0	95.3	95.7	96.8	97.5	98.3	98.8	98.8
1949	97.7	98.0	98.5	98.5	99.8	100.2	100.2	101.2	100.9	100.9	100.5	102.4
1950	100.6	102.7	102.2	102.7	103.5	106.7	109.5	106.7	111.0	111.6	112.8	114.1
1951	115.5	116.2	116.6	117.9	118.4	118.2	117.0	118.1	116.0	115.3	115.1	114.0
1952	116.0	115.9	117.6	117.7	119.4	119.6	120.1	123.0	123.2	125.3	127.1	127.9
1953	128.2	129.0	130.5	130.4	130.2	128.8	130.9	128.2	127.9	127.4	126.3	127.7
1954	126.9	129.6	127.1	126.5	126.5	126.9	126.8	129.4	128.8	129.0	129.1	130.4
1955	134.1	135.1	136.9	137.4	140.5	141.7	142.9	146.0	147.5	147.2	146.8	148.1
1956	148.7	149.4	151.7	154.7	152.8	155.1	156.7	155.7	157.1	158.2	158.7	159.3
1957	157.2	158.9	159.5	156.9	157.7	156.4	155.4	155.3	152.9	151.8	151.3	149.1
1958	151.3	152.2	151.8	152.5	155.7	155.7	153.9	152.6	153.8	153.9	157.8	158.7
1959	160.7	163.1	162.7	166.7	166.0	167.0	166.2	164.8	168.3	171.0	167.8	169.2
1960	172.1	170.2	171.8	166.6	167.2	166.6	164.3	165.6	167.2	166.7	166.1	166.3
1961	165.1	166.7	166.0	169.2	169.4	173.3	173.4	176.4	178.1	177.9	180.1	180.5
1962	179.1	181.4	183.9	184.0	186.1	186.3	186.7	188.7	188.8	189.1	189.6	189.7

TABLE 4. Monthly Index of Industrial Production, 1919-62

1949=100

Unadjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1919	26.0	20.9	22.6	21.7	25.0	25.4	27.2	27.0	30.2	33.4	30.6	28.4	26.5
1920	26.2	22.1	26.2	22.5	24.6	28.6	26.6	26.5	26.9	27.9	26.7	22.1	25.6
1921	19.5	18.2	20.3	18.0	20.3	21.0	21.5	23.6	25.0	27.3	27.0	23.4	22.1
1922	21.7	22.1	26.1	20.1	25.9	28.6	28.9	29.8	30.0	32.6	33.6	31.2	27.6
1923	29.1	25.5	32.8	28.5	31.7	31.7	33.1	33.3	30.3	36.4	35.5	30.6	31.6
1924	29.5	29.7	35.4	28.8	33.2	30.6	29.9	28.8	31.6	35.9	34.8	33.8	31.9
1925	31.5	29.9	34.8	30.5	33.6	34.9	33.8	32.8	36.1	41.3	38.8	37.1	34.6
1926	32.9	33.0	38.4	33.3	37.9	40.3	38.1	36.6	40.4	42.7	41.7	38.0	37.8
1927	35.2	33.4	41.8	35.7	42.1	42.1	36.1	39.8	39.3	39.8	41.3	37.7	38.7
1928	35.2	36.1	43.2	37.0	46.1	45.7	44.4	47.2	44.4	49.0	45.8	40.8	42.9
1929	43.5	41.5	47.4	47.3	48.8	46.7	46.5	46.1	40.9	47.7	45.6	36.6	44.9
1930	37.8	35.1	41.3	37.1	45.4	40.5	39.3	38.3	38.9	40.7	36.0	32.5	38.6
1931	29.4	29.5	36.1	33.4	37.3	35.0	34.1	33.6	33.9	35.1	34.5	31.5	33.6
1932	28.2	27.0	31.9	26.9	32.1	34.3	30.1	29.9	29.4	32.0	33.1	26.9	30.2
1933	24.0	22.1	27.6	24.5	33.0	35.9	36.1	38.7	37.0	38.7	37.8	32.8	32.3
1934	31.4	30.4	38.6	35.1	42.7	41.6	39.2	41.5	39.0	42.1	42.5	35.3	38.3
1935	36.9	38.7	39.3	40.4	41.5	42.6	41.3	41.7	43.4	44.5	44.2	42.3	41.4
1936	41.3	42.9	43.5	45.4	45.8	46.5	45.8	46.1	47.9	48.1	48.1	47.0	45.7
1937	46.9	49.1	50.7	51.5	53.1	55.1	53.3	53.7	55.2	54.5	53.8	50.6	52.3
1938	48.2	48.5	48.4	50.0	50.1	50.4	49.3	50.1	51.2	50.4	50.6	47.8	49.6
1939	47.1	48.8	49.1	50.9	52.6	54.1	53.4	54.5	56.2	58.2	58.6	56.2	53.3
1940	56.7	58.7	59.4	60.1	62.7	64.4	64.4	66.0	68.3	69.0	69.5	67.7	63.9
1941	69.2	71.9	73.4	76.5	78.1	80.6	80.9	83.0	86.4	87.4	88.5	85.6	80.1
1942	87.9	90.7	91.8	93.8	94.3	95.4	95.9	96.3	96.7	97.7	99.2	97.0	94.7
1943	95.9	98.9	99.4	100.3	100.3	101.2	100.4	101.5	102.0	102.3	103.1	100.6	100.5
1944	101.3	102.2	102.4	102.4	102.5	104.3	101.3	101.8	100.6	100.6	100.6	95.8	101.3
1945	95.1	96.0	96.9	95.7	93.9	93.1	89.5	87.4	84.7	84.6	83.8	80.2	90.1
1946	78.9	81.4	82.8	83.3	84.3	86.1	81.7	83.2	85.0	86.6	88.5	83.7	83.8
1947	85.6	88.5	90.0	89.9	91.7	94.2	90.6	92.9	94.5	95.5	96.3	89.2	91.5
1948	90.6	93.6	94.3	96.4	97.2	98.0	93.4	96.2	100.4	101.6	100.6	94.6	96.4
1949	93.8	97.3	98.3	98.3	101.2	103.5	97.7	100.6	104.5	104.4	102.3	98.1	100.0
1950	96.5	101.9	102.0	102.2	104.9	110.4	106.7	105.5	114.3	115.2	114.6	108.9	106.9
1951	109.9	115.6	116.3	117.3	120.2	122.2	114.3	117.1	120.0	119.2	116.9	109.3	116.6
1952	110.9	115.1	117.3	116.8	121.4	123.6	116.6	121.3	127.1	129.3	129.1	122.4	120.9
1953	122.8	129.1	130.7	129.7	132.6	133.4	127.2	127.4	132.5	131.7	129.0	122.4	129.1
1954	121.9	128.6	126.9	125.8	128.7	131.6	124.5	128.7	131.9	133.3	132.9	126.6	128.5
1955	128.2	134.0	136.6	136.0	142.7	147.9	140.4	145.0	149.9	151.7	151.6	143.2	142.3
1956	141.7	147.5	150.7	152.9	154.2	161.9	154.2	154.9	160.9	162.6	163.8	154.0	154.9
1957	150.6	157.4	158.6	154.7	158.1	162.3	153.7	155.5	157.4	156.7	156.7	143.2	155.4
1958	144.8	150.6	150.4	149.9	156.8	161.1	152.5	153.6	158.6	159.3	162.8	152.1	154.4
1959	154.0	162.5	161.4	164.3	167.4	173.4	163.1	163.7	172.6	176.6	171.7	162.3	166.1
1960	166.2	169.5	170.5	164.0	169.4	173.0	161.5	162.4	169.9	171.3	170.9	159.9	167.4
1961	160.0	166.5	164.6	166.4	171.5	179.8	168.7	172.4	182.4	183.8	184.9	173.8	172.9
1962	173.3	181.9	182.4	180.2	188.4	194.8	182.0	183.5	193.6	195.4	194.6	182.2	186.0

TABLE 5. Monthly Quantity Index of Mining Production, 1919-62
1949 = 100
Adjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	28.4	25.1	24.4	24.7	22.7	19.0	20.6	19.8	22.6	27.2	21.8	25.4
1920	26.2	26.8	29.0	27.3	28.7	32.1	28.9	28.4	27.0	24.6	30.0	27.6
1921	21.9	23.6	20.5	22.6	23.0	22.8	23.9	28.1	24.8	22.5	23.3	20.8
1922	22.6	28.4	26.5	24.2	22.6	25.7	28.2	22.5	31.0	33.1	33.7	31.4
1923	34.2	31.4	30.1	33.7	40.3	31.6	31.1	38.8	27.6	29.2	27.6	27.5
1924	33.6	32.3	40.4	33.4	32.5	31.3	30.5	26.2	36.2	35.3	35.3	41.1
1925	37.1	38.6	35.7	31.5	31.1	36.1	32.9	39.0	36.1	36.6	39.3	41.0
1926	33.7	35.5	41.0	40.5	40.9	41.8	45.8	44.1	41.2	40.0	43.9	42.3
1927	43.1	42.2	39.5	44.9	47.1	45.3	43.0	40.4	46.6	42.4	44.5	44.6
1928	43.8	48.5	47.0	46.7	48.3	45.4	49.5	50.9	43.7	49.9	47.2	45.7
1929	51.0	51.9	49.4	52.1	50.4	52.7	49.2	51.0	48.2	48.9	47.8	44.6
1930	51.5	45.6	49.4	46.2	48.4	45.9	47.3	46.5	48.5	46.6	42.2	44.8
1931	42.4	41.3	43.6	42.4	41.6	39.3	45.6	41.6	43.7	43.9	43.4	53.4
1932	48.8	49.1	42.5	45.4	42.7	45.9	40.8	36.9	39.9	42.1	47.3	43.3
1933	39.1	42.2	42.5	39.1	43.6	46.4	45.2	48.8	50.5	50.6	49.6	48.1
1934	52.1	47.5	58.4	54.8	56.3	52.0	54.5	57.7	54.2	53.9	58.3	52.5
1935	54.2	59.6	50.8	64.4	57.5	61.7	62.1	62.0	63.6	64.0	63.0	66.7
1936	63.4	68.3	64.0	67.3	65.1	65.8	68.5	67.8	72.4	70.1	70.6	74.8
1937	73.2	76.2	76.9	78.1	75.9	79.6	79.0	83.1	82.4	82.6	82.6	81.7
1938	85.5	81.7	81.5	85.3	83.9	83.1	85.7	83.8	84.6	82.2	82.9	83.6
1939	82.1	84.9	84.0	86.9	91.5	92.8	94.3	93.2	91.4	93.5	93.4	93.6
1940	93.4	93.7	95.4	92.4	95.3	96.5	97.0	97.5	97.0	98.0	98.6	98.6
1941	101.4	100.1	100.1	99.8	99.3	100.4	98.8	101.2	102.7	103.3	103.1	101.2
1942	102.2	101.8	102.3	103.4	100.6	99.0	100.6	98.3	96.4	95.4	94.1	95.7
1943	91.4	95.2	93.8	93.2	91.0	90.7	86.6	85.4	85.2	85.4	83.7	84.0
1944	83.5	81.4	80.0	80.5	80.8	76.8	78.0	78.5	80.5	78.5	79.7	78.3
1945	80.5	79.5	80.7	77.8	77.1	79.4	78.4	76.8	73.1	73.9	74.1	75.0
1946	75.5	74.1	75.1	76.3	74.8	74.9	76.2	77.2	77.7	74.5	74.7	74.3
1947	75.8	71.5	74.7	73.2	74.6	81.4	84.3	84.1	81.2	84.7	82.2	83.9
1948	80.0	79.9	83.4	92.7	90.1	89.7	95.4	95.5	93.9	94.0	96.2	95.2
1949	96.9	93.9	91.2	89.0	96.2	96.5	102.6	106.5	106.9	105.3	104.0	109.1
1950	100.9	109.8	109.9	106.8	107.6	108.5	109.6	105.1	114.3	115.2	120.0	114.7
1951	119.9	118.0	116.1	118.0	126.2	130.4	126.7	131.1	126.9	124.8	124.5	124.8
1952	125.4	122.9	126.9	129.9	134.1	133.2	133.2	133.5	134.6	136.7	133.0	138.2
1953	139.1	138.0	139.5	145.2	139.6	141.7	145.7	141.3	143.7	136.0	141.9	142.0
1954	144.5	153.3	148.2	150.3	150.9	154.6	156.7	160.3	162.6	164.1	164.7	169.3
1955	170.4	171.3	177.4	168.7	178.2	183.6	184.5	187.9	186.1	194.2	199.2	197.9
1956	205.0	205.2	209.8	205.2	202.0	206.4	209.1	217.7	215.3	217.4	227.2	220.1
1957	219.3	223.6	228.6	232.0	239.3	234.8	225.1	227.1	229.1	225.4	215.4	232.2
1958	231.5	234.9	228.8	227.1	231.0	229.7	220.4	220.2	229.3	217.1	225.1	224.6
1959	236.5	246.0	246.4	250.1	245.3	247.3	247.4	246.0	263.5	258.8	264.1	257.1
1960	256.5	260.6	263.2	251.5	256.4	249.0	249.7	249.1	255.1	245.6	252.2	248.7
1961	253.8	255.3	243.6	260.2	262.8	264.9	260.1	273.9	281.6	278.4	287.1	273.3
1962	276.2	277.6	287.4	290.7	291.0	281.5	282.7	299.9	290.6	296.2	291.9	283.6

TABLE 5. Monthly Quantity Index of Mining Production, 1919-62
1949=100
Unadjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1919	31.7	22.5	25.9	18.2	18.8	16.7	19.2	18.8	24.8	30.6	27.1	28.8	23.6
1920	28.7	24.4	30.6	20.0	23.6	28.6	27.0	27.9	29.8	27.8	37.2	30.7	28.0
1921	23.6	21.8	21.7	16.4	18.8	20.2	22.4	28.0	27.5	25.5	28.7	23.1	23.1
1922	24.1	26.5	28.2	17.4	18.4	22.8	26.1	23.0	34.4	37.2	41.1	35.0	27.9
1923	36.0	29.5	32.5	24.0	32.9	28.3	28.8	39.5	30.4	32.4	33.4	31.4	31.6
1924	35.2	30.3	43.7	24.0	27.3	28.3	28.2	26.8	39.2	38.4	42.1	47.7	34.3
1925	38.5	36.0	38.8	23.0	27.2	33.1	30.8	39.4	38.4	39.2	46.0	47.9	36.5
1926	34.7	33.3	44.2	30.3	37.3	39.1	43.5	44.8	42.8	42.4	50.3	48.5	40.9
1927	44.2	39.6	42.6	34.5	44.6	43.0	41.8	40.6	47.6	45.4	49.5	49.6	43.6
1928	45.5	45.5	50.4	36.8	47.2	43.4	48.7	50.8	44.2	54.1	50.6	49.5	47.2
1929	53.9	48.5	53.0	41.9	50.0	50.5	48.6	49.6	48.4	54.1	49.8	47.7	49.7
1930	54.8	42.6	53.2	38.0	48.4	44.9	46.0	44.4	49.0	52.3	42.9	47.0	47.0
1931	44.9	38.1	47.3	35.2	41.5	38.8	43.7	39.2	44.4	49.8	44.4	55.5	43.6
1932	50.8	44.9	46.0	38.2	42.6	45.9	38.7	34.8	41.1	47.9	49.2	44.5	43.7
1933	39.9	38.3	45.6	33.3	43.5	46.7	42.6	46.6	52.2	57.7	52.8	48.5	45.6
1934	52.0	43.1	61.9	47.1	56.1	52.6	51.2	56.4	56.3	61.4	63.3	51.8	54.4
1935	53.6	53.6	53.5	55.7	57.4	62.1	58.3	61.8	66.3	72.8	69.4	64.8	60.8
1936	60.3	65.1	61.3	62.3	62.9	66.5	66.9	69.4	77.8	77.9	75.8	73.1	68.3
1937	69.1	73.3	72.2	73.7	73.1	80.9	78.6	85.6	88.5	90.3	87.7	79.9	79.4
1938	80.3	79.1	76.2	81.5	80.9	85.3	86.2	86.5	90.4	88.7	87.1	81.6	83.7
1939	77.3	82.4	79.2	83.7	88.8	95.4	95.4	96.1	96.6	99.6	97.6	91.1	90.3
1940	88.2	91.4	91.2	89.9	93.0	99.5	98.0	99.9	101.0	103.3	102.6	96.0	96.2
1941	96.2	98.5	97.3	98.2	97.4	103.1	99.2	102.6	105.8	107.7	106.9	98.8	101.0
1942	97.2	101.2	101.2	102.7	98.7	101.2	100.0	98.8	98.2	98.4	97.5	93.8	99.1
1943	88.1	95.2	94.1	93.3	89.3	92.1	85.6	85.3	86.0	87.0	86.7	82.7	88.8
1944	81.1	81.8	81.0	80.8	79.2	77.7	76.9	78.1	80.5	79.2	82.6	77.4	79.7
1945	78.7	80.0	82.2	78.1	75.6	80.1	77.3	76.4	72.7	74.1	76.9	74.2	77.2
1946	72.3	73.7	74.3	75.7	72.1	74.5	72.3	73.7	76.8	78.0	76.9	71.7	74.3
1947	72.2	70.5	73.1	72.9	73.0	81.5	79.9	80.4	81.4	88.6	86.0	81.7	78.5
1948	76.0	79.1	82.2	91.8	89.3	89.9	90.6	92.4	94.7	99.9	101.5	93.0	90.0
1949	92.0	93.2	89.0	85.8	96.1	98.9	100.1	104.7	110.8	112.6	110.1	106.3	100.0
1950	96.7	107.5	105.5	102.7	106.8	109.6	106.1	102.6	117.8	122.7	125.8	110.6	109.5
1951	113.6	114.0	109.9	112.7	125.4	132.3	125.1	129.9	133.2	133.4	130.5	120.7	123.4
1952	119.8	117.9	118.6	122.5	132.3	135.2	131.5	133.7	141.6	145.2	138.9	134.6	131.0
1953	134.3	134.9	131.7	136.4	139.5	145.3	147.4	145.2	154.0	146.5	149.8	140.3	142.1
1954	141.5	151.5	140.2	141.7	151.2	159.7	160.4	166.3	174.8	174.8	173.2	168.4	158.7
1955	168.7	169.2	166.9	153.1	174.1	191.3	193.3	198.1	201.6	208.3	205.2	192.6	185.2
1956	195.0	199.7	198.6	187.1	199.0	217.9	219.2	229.7	229.0	229.5	231.2	211.2	212.3
1957	210.7	219.2	217.7	217.6	227.9	240.9	237.2	239.6	244.4	240.1	221.1	217.6	227.8
1958	222.7	230.8	220.6	213.4	222.3	235.4	234.6	230.8	240.7	228.9	224.7	219.5	227.0
1959	230.7	244.7	236.6	233.8	235.5	255.2	260.5	256.2	278.3	270.1	260.0	251.3	251.1
1960	253.7	258.6	255.8	234.3	250.0	258.2	263.1	254.1	264.7	253.4	252.1	241.1	253.3
1961	247.6	255.1	235.4	243.8	262.9	274.1	275.7	276.6	293.0	285.1	286.1	267.8	266.9
1962	275.1	279.5	277.9	267.3	290.4	293.3	295.2	301.9	305.3	300.1	288.5	274.2	287.4

TABLE 6. Monthly Quantity Index of Manufacturing Production, 1919 - 62

1949 = 100

Adjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	28.4	27.0	24.7	27.0	27.9	26.5	28.4	28.0	29.4	29.6	29.3	30.3
1920	29.3	28.0	28.1	27.5	26.4	28.6	26.6	26.2	25.5	24.5	23.9	22.3
1921	21.8	22.5	21.6	21.8	21.7	21.2	21.6	23.0	24.2	24.5	23.9	22.3
1922	24.7	26.8	26.9	23.9	28.0	29.7	29.7	31.2	29.5	28.5	30.8	32.8
1923	32.6	30.3	33.5	33.6	32.3	32.4	34.5	33.7	30.6	33.2	34.1	32.3
1924	33.2	35.6	34.5	33.4	34.4	31.0	31.0	30.5	31.2	32.2	32.6	34.0
1925	35.2	34.4	33.9	35.4	34.2	34.7	35.3	33.7	36.5	38.0	36.7	38.3
1926	37.5	38.8	37.1	37.4	37.1	39.6	38.6	37.0	40.6	39.2	39.5	39.9
1927	39.2	38.2	41.3	39.3	40.2	40.7	36.1	40.4	38.4	35.9	39.3	40.0
1928	39.1	41.2	41.8	39.9	43.5	44.4	44.5	46.9	44.7	45.0	44.2	45.0
1929	49.7	48.5	46.5	51.9	45.3	44.3	46.5	44.8	39.8	43.7	43.9	39.9
1930	42.3	40.9	39.7	39.4	41.4	37.8	37.8	36.3	37.5	36.5	33.8	34.5
1931	32.9	29.1	34.4	36.8	33.4	32.3	32.7	32.5	31.9	31.1	31.1	31.2
1932	30.6	30.0	29.9	27.9	28.3	30.0	28.3	27.9	27.3	27.7	29.0	27.1
1933	27.0	24.3	25.0	25.8	29.6	31.0	34.0	35.4	34.6	33.3	33.7	34.8
1934	35.6	35.3	35.5	37.3	38.2	36.0	35.9	36.4	36.2	36.3	37.4	37.6
1935	37.8	38.4	38.5	38.6	39.1	39.7	39.8	40.1	40.6	41.1	41.2	41.7
1936	42.2	42.2	42.5	43.3	43.5	43.4	44.0	44.3	44.3	44.7	45.1	46.1
1937	47.5	48.2	49.2	49.0	50.2	51.1	51.1	50.7	51.0	50.3	49.6	49.0
1938	47.0	46.4	46.1	46.1	45.9	45.5	45.5	46.2	45.7	45.4	45.6	45.3
1939	45.7	46.2	46.7	47.3	48.0	48.7	49.3	50.0	50.6	52.8	53.6	54.4
1940	55.5	56.4	57.1	57.2	58.6	59.6	60.8	62.2	63.8	64.7	65.6	67.1
1941	68.4	70.1	71.9	74.2	75.7	77.8	79.5	81.3	83.4	84.3	86.1	86.7
1942	89.5	90.9	92.0	93.3	93.9	94.8	96.4	96.4	96.6	98.1	97.0	100.5
1943	99.5	100.3	100.6	100.7	101.0	100.7	101.7	102.8	103.6	103.9	104.8	105.3
1944	106.2	105.3	104.7	104.5	104.3	105.3	104.7	104.9	104.1	103.6	102.9	101.7
1945	101.0	99.5	98.5	97.5	95.3	92.7	91.9	89.6	88.0	87.1	85.3	84.9
1946	83.3	83.4	84.4	84.8	85.2	85.5	85.3	84.5	83.4	85.0	88.0	89.4
1947	91.2	91.5	92.2	92.2	92.9	93.2	94.3	94.8	93.0	93.8	95.8	94.5
1948	95.9	96.2	95.9	97.2	96.8	96.0	95.8	97.0	98.0	98.9	99.3	99.3
1949	97.9	98.5	99.4	99.5	100.3	100.6	100.0	100.6	100.2	100.4	99.9	101.5
1950	100.2	101.6	101.0	101.8	102.6	106.2	109.3	106.4	110.2	110.7	111.4	113.5
1951	114.6	115.5	116.1	117.3	116.9	116.1	115.0	115.8	113.9	113.0	112.7	111.5
1952	113.6	113.7	115.3	115.0	116.5	116.9	117.3	120.6	120.6	122.8	125.5	125.6
1953	125.9	127.0	128.5	127.7	128.1	126.1	128.1	125.5	124.8	125.0	123.0	124.6
1954	123.3	125.4	122.9	121.8	121.7	121.6	121.1	123.7	122.5	122.4	122.4	123.3
1955	127.3	128.2	129.5	131.2	133.8	134.4	135.7	138.6	140.6	139.3	137.8	139.4
1956	139.4	140.1	142.1	146.1	143.8	145.9	147.5	145.1	147.0	147.7	147.5	148.9
1957	146.2	147.7	147.9	144.2	144.4	143.6	143.2	143.0	139.8	138.8	139.0	134.5
1958	136.7	137.2	137.6	138.7	142.1	142.1	141.1	139.6	139.7	141.4	144.6	144.9
1959	146.0	147.6	147.1	150.9	150.8	151.3	150.9	148.7	150.2	154.1	149.2	151.8
1960	155.1	152.4	153.2	148.9	149.0	148.6	146.1	146.7	148.2	149.2	147.9	148.1
1961	146.7	147.9	148.5	149.8	149.1	153.4	154.0	155.5	156.8	156.8	158.9	160.8
1962	158.2	160.7	162.5	162.3	164.3	165.8	166.1	165.8	167.6	167.3	168.3	169.9

TABLE 6. Monthly Quantity Index of Manufacturing Production, 1919-62

1949 = 100

Unadjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1919	26.4	21.6	23.1	23.1	27.0	27.8	29.6	29.3	32.3	35.3	32.5	29.6	28.1
1920	26.9	22.6	26.7	23.7	25.7	29.8	27.6	27.4	27.7	29.1	26.5	21.8	26.3
1921	19.7	18.5	21.0	19.0	21.4	22.0	22.3	24.0	25.7	28.8	28.0	24.4	22.9
1922	22.2	22.4	26.9	21.2	28.0	30.6	30.5	32.0	30.8	33.4	34.1	32.0	28.7
1923	29.2	25.9	34.2	30.2	32.8	33.4	35.1	33.8	31.4	38.5	37.3	31.6	32.8
1924	29.8	30.8	35.8	30.5	35.4	32.1	31.3	30.1	31.8	37.0	35.3	33.1	32.8
1925	31.6	30.1	35.5	32.5	35.7	36.4	35.4	33.1	37.1	43.2	39.2	36.9	35.6
1926	33.6	34.0	38.9	34.8	39.2	41.9	38.7	36.7	41.4	44.1	41.8	37.6	38.6
1927	34.8	33.4	43.0	36.8	43.1	43.4	36.3	40.7	39.2	40.0	41.2	36.8	39.1
1928	34.4	35.6	43.3	37.9	47.3	47.5	45.1	48.2	45.7	49.7	46.3	40.5	43.5
1929	43.0	41.6	47.9	49.4	50.0	47.5	47.5	46.8	40.7	48.0	46.0	35.5	45.3
1930	36.0	34.6	40.5	37.5	46.0	40.7	39.1	38.2	38.3	39.8	35.5	30.7	38.1
1931	27.3	28.5	35.1	33.5	37.4	35.2	33.4	33.5	33.0	33.6	33.6	28.4	32.7
1932	25.1	24.6	30.3	25.4	31.1	33.5	29.4	29.6	28.1	30.2	31.2	24.4	28.6
1933	21.6	19.7	25.2	23.2	32.0	35.0	35.7	38.2	35.5	36.6	36.1	30.6	30.8
1934	28.5	28.6	35.7	33.6	41.3	40.7	38.1	40.0	37.1	39.9	40.0	32.7	36.4
1935	34.3	36.5	37.4	38.4	39.7	40.5	39.5	39.6	40.8	40.9	40.9	39.3	39.0
1936	38.7	40.1	41.2	43.0	44.0	44.3	43.6	43.6	44.6	44.5	44.6	43.6	43.0
1937	43.9	46.0	47.9	48.8	51.2	52.5	51.0	50.5	51.8	50.5	49.7	46.8	49.2
1938	43.8	44.4	44.7	46.0	46.6	46.5	45.1	45.9	46.4	45.5	45.6	43.0	45.3
1939	42.8	44.1	45.1	46.7	48.2	49.2	48.7	49.7	51.4	53.3	53.7	51.9	48.7
1940	52.6	54.5	55.6	56.7	59.1	60.4	60.8	62.7	65.3	65.9	66.3	65.0	60.4
1941	66.3	69.2	71.3	74.5	76.9	79.5	80.4	82.5	85.5	86.2	87.2	84.8	78.7
1942	87.8	90.7	92.1	94.2	95.6	96.7	97.9	98.6	99.0	99.9	101.5	99.3	96.1
1943	98.9	101.3	102.2	103.0	103.6	104.4	104.4	105.8	106.1	106.4	107.2	104.6	104.0
1944	105.6	106.6	107.0	107.1	107.4	110.1	107.1	107.5	105.4	105.3	104.6	99.7	106.1
1945	98.8	99.6	100.0	99.1	97.4	96.1	92.6	90.3	87.5	86.9	85.3	81.3	92.9
1946	79.5	82.3	84.1	84.4	86.1	88.0	83.3	84.9	86.5	88.0	90.1	85.0	85.2
1947	87.5	90.7	92.2	92.1	94.1	96.0	91.8	94.3	96.0	96.5	97.8	89.9	93.2
1948	91.9	95.1	95.6	97.0	98.2	99.2	94.0	97.0	101.6	102.2	100.8	94.6	97.3
1949	93.6	97.4	99.1	99.5	101.9	104.4	97.8	100.5	104.3	103.8	101.2	96.6	100.0
1950	95.5	100.5	101.0	101.6	104.4	110.6	106.9	105.8	114.1	114.3	112.7	107.7	106.2
1951	108.2	114.7	116.2	117.1	119.1	120.8	112.7	115.4	118.3	116.7	113.9	106.1	115.0
1952	107.6	112.7	115.5	114.7	119.1	121.7	114.2	119.4	124.9	126.5	126.9	119.2	118.5
1953	119.4	126.8	129.3	127.7	131.0	131.4	124.4	124.9	129.5	128.9	124.9	118.0	126.4
1954	117.1	123.6	123.1	121.9	124.5	126.9	118.9	123.1	125.4	126.4	125.4	118.2	122.9
1955	119.8	126.3	129.8	131.3	137.1	141.3	132.8	137.2	142.2	143.1	142.1	133.4	134.7
1956	131.3	137.4	141.7	146.0	146.1	153.3	144.6	143.8	150.6	151.5	152.3	142.8	145.1
1957	138.4	145.3	147.5	143.3	146.7	150.7	141.0	143.0	144.2	142.8	144.0	128.5	142.9
1958	128.9	134.5	136.3	137.1	144.8	148.8	139.2	141.0	145.0	146.3	149.6	136.5	140.7
1959	137.0	145.1	145.7	149.7	154.1	159.3	147.4	148.4	155.2	159.6	153.4	142.9	149.8
1960	146.5	149.4	150.9	147.5	152.9	156.6	143.6	145.3	151.9	154.4	152.5	139.9	149.3
1961	138.6	145.0	146.3	147.9	152.3	161.6	149.7	153.4	162.3	163.9	163.6	151.6	153.0
1962	148.9	158.2	160.1	160.1	167.8	176.1	162.3	162.3	173.5	175.2	173.7	160.3	164.9

TABLE 7. Monthly Quantity Index of Non-durable Manufacturing Production, 1935-62
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Adjusted for seasonal variation													
1935	42.7	42.9	42.9	43.0	43.6	44.2	44.1	44.4	44.7	45.0	45.2	46.0	
1936	46.1	46.5	46.8	47.4	47.6	47.7	48.4	48.9	48.6	49.2	49.8	50.1	
1937	51.0	51.7	52.4	53.1	53.4	54.0	53.7	53.0	53.8	52.9	52.4	51.8	
1938	49.6	49.1	49.0	48.7	48.6	48.3	48.7	49.8	49.3	49.2	49.0	48.7	
1939	49.8	50.3	51.1	51.5	52.1	52.9	53.4	54.6	54.8	57.1	57.6	58.4	
1940	58.7	59.4	59.7	59.7	60.7	61.2	61.6	62.1	63.2	63.4	64.0	64.8	
1941	65.4	66.7	68.0	70.1	71.4	73.4	74.8	76.6	78.0	78.6	80.4	80.1	
1942	82.8	83.5	84.2	84.6	84.5	84.7	85.7	84.5	84.1	85.2	81.9	86.0	
1943	84.6	85.1	85.3	85.3	85.8	85.3	85.6	86.0	86.1	86.2	87.3	87.9	
1944	88.4	88.1	87.8	88.6	88.4	89.6	89.8	90.9	90.0	90.3	91.1	91.2	
1945	90.8	90.4	90.5	90.7	88.7	87.5	87.3	86.0	86.8	86.8	86.3	86.5	
1946	89.2	89.2	90.0	88.9	88.9	89.6	88.4	89.5	89.0	89.6	92.1	93.0	
1947	92.5	92.1	93.7	93.3	93.5	93.3	93.6	94.5	91.2	91.4	95.2	94.1	
1948	95.4	96.4	94.5	95.8	95.7	95.4	95.7	96.1	96.5	97.7	97.5	97.2	
1949	97.7	98.1	97.9	98.9	100.1	100.1	100.4	100.5	101.2	101.3	101.3	101.7	
1950	101.1	102.4	102.7	104.2	103.5	106.0	107.9	105.3	109.1	108.9	109.8	111.1	
1951	110.1	110.6	111.9	113.5	112.4	112.1	110.5	111.8	109.7	108.9	107.7	108.5	
1952	109.5	109.8	111.4	109.8	110.5	111.5	113.3	114.5	113.7	116.0	119.7	118.7	
1953	117.7	118.9	120.5	120.6	121.3	119.4	121.2	120.9	120.3	120.4	120.2	119.2	
1954	119.9	120.0	120.4	118.8	120.8	120.9	119.5	121.3	122.4	123.6	123.2	122.7	
1955	125.7	125.9	126.0	127.6	129.5	129.8	130.1	131.4	132.3	133.9	134.8	135.9	
1956	136.2	136.3	136.2	139.4	136.3	138.6	138.5	137.8	140.0	139.6	139.1	141.3	
1957	139.9	142.4	142.7	139.5	139.9	140.3	140.8	141.0	139.7	138.2	137.4	132.8	
1958	134.1	135.7	136.6	138.1	141.2	141.2	142.7	142.3	142.3	145.6	148.7	145.3	
1959	146.0	147.5	146.9	150.2	151.3	149.7	150.2	151.2	151.2	152.6	152.6	151.4	
1960	154.9	152.8	154.1	149.6	151.1	151.7	150.6	150.4	150.8	152.4	152.6	151.8	
1961	152.7	153.4	153.7	155.4	154.1	158.2	158.8	157.8	159.1	159.3	160.8	163.5	
1962	161.1	162.5	164.8	163.9	165.4	166.7	165.7	164.9	165.7	164.9	165.4	167.4	
Unadjusted for seasonal variation													
1935	39.7	41.0	41.4	41.9	44.2	45.6	44.6	45.4	47.5	47.0	46.3	44.3	44.1
1936	42.9	44.4	45.1	46.3	48.2	49.0	48.9	50.0	51.8	51.5	51.1	48.2	48.1
1937	47.5	49.4	50.5	51.9	53.9	55.2	54.1	54.2	57.5	55.5	53.9	50.0	52.8
1938	46.4	47.0	47.2	47.6	48.9	49.2	48.9	51.1	52.6	51.6	50.5	47.0	49.0
1939	46.8	48.4	49.3	50.3	52.2	53.7	53.5	56.1	58.2	59.8	59.4	56.5	53.7
1940	55.6	57.5	57.7	58.4	60.7	62.0	61.9	63.8	66.6	66.1	65.8	63.0	61.6
1941	62.4	65.0	66.0	68.8	71.2	74.3	75.2	78.5	81.3	81.5	82.4	78.2	73.7
1942	79.7	81.9	82.3	83.4	84.1	84.1	85.5	86.2	86.2	86.6	87.8	83.7	84.3
1943	82.0	84.0	84.1	84.6	85.4	86.1	85.7	87.4	87.9	88.3	89.2	86.1	85.9
1944	86.1	87.4	87.4	88.1	88.1	90.5	89.2	91.9	91.4	92.2	93.2	88.7	89.5
1945	88.6	90.1	90.9	90.4	88.7	88.6	86.1	86.5	88.2	88.5	88.4	83.2	88.2
1946	84.9	87.7	88.9	87.4	89.0	90.6	85.0	90.7	93.3	94.6	96.2	88.5	89.8
1947	89.5	91.6	93.0	92.3	93.8	94.5	89.4	94.5	95.0	95.8	99.2	89.8	93.2
1948	91.6	95.2	92.9	94.6	96.3	97.0	92.6	97.3	101.2	103.0	100.8	92.8	96.3
1949	93.0	96.7	96.0	97.7	100.8	101.9	96.8	102.1	106.1	106.9	104.6	97.6	100.0
1950	95.7	100.9	101.0	103.0	104.0	107.9	104.2	106.4	114.1	114.8	113.5	106.6	106.0
1951	102.9	109.1	109.7	111.9	113.1	114.3	107.4	114.0	115.7	115.2	111.5	103.9	110.8
1952	102.5	107.7	109.7	107.8	111.8	114.2	110.0	115.7	119.3	122.1	124.3	113.3	113.2
1953	110.7	117.3	119.4	118.7	122.5	122.4	116.8	123.1	126.3	126.5	124.7	113.4	120.2
1954	112.2	117.6	118.3	116.6	121.7	124.8	115.4	124.3	129.0	130.0	128.1	116.9	121.2
1955	117.1	123.4	124.0	125.1	130.0	134.4	125.0	134.9	139.9	140.7	140.1	129.8	130.4
1956	127.4	133.1	133.9	136.6	135.5	143.8	132.7	140.0	147.6	146.3	144.8	135.7	138.1
1957	130.3	139.8	140.7	136.8	139.5	145.5	135.6	144.7	148.7	144.7	142.9	127.5	139.7
1958	125.2	132.7	134.1	135.2	141.1	145.4	138.3	146.6	150.9	153.4	154.7	138.3	141.3
1959	136.0	144.4	144.0	148.3	151.9	154.4	144.9	155.8	159.3	160.4	157.9	143.4	150.1
1960	144.0	148.3	149.2	146.8	152.3	156.3	146.4	153.9	159.7	161.6	158.9	143.6	151.8
1961	142.1	148.8	149.5	152.2	154.7	163.2	153.7	161.3	168.0	168.4	167.5	154.2	157.0
1962	150.5	159.0	160.3	159.9	165.3	173.0	161.0	167.4	175.0	174.6	173.1	158.5	164.8

TABLE 8. Monthly Quantity Index of Durable Manufacturing Production, 1935-62
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	Adjusted for seasonal variation												
1935	29.8	31.2	31.4	31.6	31.9	32.4	32.9	33.3	33.9	34.8	34.9	34.7	
1936	35.8	35.4	35.7	36.6	36.8	36.6	36.9	36.8	37.5	37.5	37.5	39.7	
1937	41.8	42.5	44.0	42.4	45.1	46.5	46.9	47.1	46.6	46.2	45.1	44.6	
1938	42.8	42.1	41.5	42.0	41.6	41.0	40.3	40.5	40.0	39.2	40.0	39.7	
1939	39.2	39.5	39.7	40.6	41.3	42.0	42.6	42.6	43.9	46.0	47.1	48.0	
1940	50.4	51.5	52.9	53.2	55.3	56.9	59.4	62.4	64.8	66.9	68.2	70.7	
1941	73.3	75.6	78.2	80.8	82.7	84.8	87.1	89.0	92.1	93.5	95.4	97.4	
1942	100.4	102.9	104.6	107.3	109.1	111.2	113.6	115.5	116.7	118.8	121.4	123.8	
1943	123.6	124.8	125.3	125.6	125.6	125.5	127.7	129.9	131.9	132.3	133.1	133.4	
1944	134.9	133.1	132.0	130.1	129.9	130.6	128.7	127.5	126.7	125.0	122.0	118.5	
1945	117.5	114.1	111.4	108.5	106.0	101.1	99.2	95.3	90.0	87.5	83.7	82.3	
1946	76.3	76.6	77.9	79.9	80.9	80.8	81.6	78.6	76.9	79.7	83.2	85.1	
1947	89.7	90.7	90.3	90.9	92.3	93.0	95.2	95.2	95.0	96.6	96.6	95.0	
1948	96.5	96.0	97.5	98.8	98.1	96.6	96.0	98.1	99.7	100.3	101.3	101.8	
1949	98.2	99.0	101.2	100.3	100.5	101.1	99.6	100.7	99.0	99.3	98.2	101.3	
1950	99.2	100.6	99.1	98.9	101.6	106.4	110.9	107.7	111.4	112.9	113.2	116.3	
1951	119.9	121.3	121.1	121.8	122.2	120.7	120.3	120.5	118.9	117.8	118.5	115.1	
1952	118.3	118.2	119.9	121.1	123.5	123.2	122.0	127.7	128.6	130.8	132.3	133.7	
1953	135.5	136.5	137.9	135.9	136.1	133.9	136.1	130.8	130.1	130.3	126.2	131.0	
1954	127.2	131.7	125.8	125.3	122.7	122.4	122.9	126.4	122.7	121.1	121.5	124.1	
1955	129.2	130.8	133.7	135.5	138.8	139.7	142.2	147.0	150.3	145.6	141.3	143.6	
1956	143.1	144.6	149.1	154.0	152.5	154.5	158.1	153.6	155.1	157.1	157.4	157.9	
1957	153.7	153.9	154.0	149.7	149.7	147.5	146.0	145.3	139.9	139.4	141.0	136.5	
1958	139.6	139.0	138.7	139.4	143.1	143.1	139.1	136.5	136.7	136.4	139.7	144.6	
1959	145.9	147.7	147.3	151.6	150.1	153.2	151.8	145.8	149.0	155.8	145.3	152.3	
1960	155.4	151.9	152.2	148.1	146.5	145.0	140.9	142.3	145.1	145.5	142.5	143.8	
1961	139.8	141.5	142.5	143.1	143.2	147.9	148.4	152.8	154.2	153.9	156.7	157.6	
1962	154.8	158.6	159.8	160.4	162.9	164.8	166.6	166.9	169.9	170.2	171.6	172.8	
	Unadjusted for seasonal variation												
1935	27.6	31.0	32.6	34.2	34.0	34.2	33.3	32.4	32.4	33.5	34.2	33.2	32.7
1936	33.6	34.9	36.7	39.4	39.2	38.7	37.3	35.9	35.9	36.0	36.8	38.1	36.9
1937	39.6	41.8	44.9	45.2	48.0	49.3	47.3	46.0	44.8	44.4	44.5	43.0	44.9
1938	40.9	41.3	41.9	44.3	44.1	43.3	40.8	39.7	38.8	38.0	39.6	38.3	40.9
1939	37.8	38.9	40.0	42.3	43.4	43.9	42.9	41.9	43.0	45.2	46.7	46.2	42.7
1940	49.1	51.1	53.2	54.8	57.4	58.7	59.7	61.7	64.2	66.3	67.5	68.1	59.3
1941	71.9	75.3	78.8	82.5	84.8	86.8	87.7	88.4	91.7	92.9	94.2	94.1	85.8
1942	98.9	102.8	105.4	109.0	111.1	113.6	114.6	115.4	116.2	117.8	119.9	120.1	112.1
1943	121.5	124.5	126.3	127.6	127.9	129.0	129.4	130.3	130.5	130.8	131.2	129.5	128.2
1944	131.4	132.2	133.2	132.5	132.9	136.1	131.1	128.2	124.3	123.0	120.0	114.7	128.3
1945	112.9	112.6	112.5	111.2	109.4	106.6	101.7	96.0	87.5	85.6	82.1	79.6	99.8
1946	73.2	76.0	78.4	80.8	82.7	84.9	81.4	78.2	78.6	80.3	82.9	80.8	79.9
1947	85.2	89.7	91.3	91.9	94.4	97.8	94.7	94.1	97.2	97.4	96.2	90.0	93.3
1948	92.2	95.0	98.8	99.9	100.4	101.7	95.7	96.7	102.0	101.2	100.9	96.6	98.4
1949	94.3	98.2	102.7	101.5	103.2	107.3	98.9	98.7	102.3	100.2	97.3	95.5	100.0
1950	95.2	100.1	100.9	99.9	104.8	113.7	110.0	105.2	114.2	113.7	111.8	108.9	106.5
1951	114.4	121.3	123.7	123.2	126.2	128.4	118.9	117.1	121.4	118.4	116.8	108.7	119.9
1952	113.6	118.5	122.2	122.8	127.7	130.4	119.2	123.7	131.4	131.6	129.9	126.0	124.8
1953	129.5	137.9	140.9	138.2	141.0	141.9	133.4	127.1	133.3	131.7	125.2	123.3	133.6
1954	122.8	130.6	128.7	128.2	127.7	129.4	122.9	121.7	121.2	122.1	122.2	119.8	124.8
1955	123.0	129.6	136.6	138.5	145.3	149.3	141.9	139.9	144.9	146.0	144.4	137.7	139.7
1956	135.9	142.4	150.8	157.0	158.5	164.5	158.5	148.2	154.2	157.5	161.0	151.0	153.3
1957	147.9	151.6	155.4	150.9	155.1	156.7	147.4	140.9	139.0	140.7	145.3	129.3	146.7
1958	133.2	136.5	138.8	139.3	149.1	152.6	140.3	134.6	138.2	138.1	143.7	134.4	139.9
1959	138.2	145.9	147.7	151.3	156.8	165.0	150.3	139.6	150.4	158.7	148.0	142.5	149.5
1960	149.6	150.7	152.9	148.3	153.6	156.9	140.4	135.2	142.8	146.0	145.0	135.6	146.4
1961	134.4	140.6	142.5	143.0	149.6	159.8	145.0	144.2	155.6	158.5	159.2	148.6	148.4
1962	147.1	157.3	159.9	160.3	170.6	179.8	163.8	156.4	171.7	175.8	174.5	162.4	165.0

TABLE 9. Monthly Quantity Index of Electric Power and Gas Utilities Production, 1919-62
1949=100
Adjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	8.2	8.1	8.1	8.2	8.1	8.0	8.2	8.8	8.9	9.2	9.3	9.4
1920	9.7	10.0	10.0	9.9	10.0	10.0	9.7	9.1	9.0	8.7	8.6	8.2
1921	7.8	7.3	7.3	7.3	7.4	7.7	8.0	8.3	8.4	8.3	8.5	8.7
1922	8.9	8.8	9.0	9.2	9.6	10.0	10.2	10.5	9.4	10.3	10.2	10.5
1923	12.3	12.5	12.7	12.5	12.8	12.5	12.3	12.8	12.9	13.1	13.2	13.0
1924	12.6	12.9	12.6	13.0	12.9	12.7	13.0	13.1	13.4	13.4	13.8	14.0
1925	14.6	14.7	15.2	15.7	15.7	15.8	15.9	15.7	16.3	16.9	16.9	17.5
1926	17.7	17.6	18.0	17.8	18.7	19.5	19.6	19.5	20.1	20.2	20.7	20.8
1927	20.9	21.5	21.7	22.1	21.9	22.5	22.6	24.2	24.0	24.1	24.4	25.0
1928	24.5	25.8	25.3	25.3	25.1	25.3	25.6	25.9	25.6	26.5	26.5	26.6
1929	27.7	27.2	27.8	27.7	28.3	28.2	28.9	28.9	29.5	28.9	29.3	28.3
1930	28.9	28.3	28.7	29.2	29.9	29.4	29.4	28.7	28.7	28.5	27.6	28.2
1931	27.3	27.0	26.7	27.4	26.6	26.4	26.0	25.7	25.8	26.0	25.7	26.1
1932	26.0	26.5	26.1	25.9	24.9	24.5	24.2	25.1	25.6	25.6	26.1	25.9
1933	25.6	25.8	25.6	25.5	26.4	27.9	30.3	30.6	30.0	30.0	30.7	31.0
1934	31.6	31.8	33.5	33.2	35.6	34.5	34.0	34.2	32.8	34.6	35.4	37.4
1935	38.0	40.2	37.2	39.7	38.0	38.3	37.8	38.2	40.2	40.6	40.8	40.2
1936	39.7	40.8	40.7	44.5	41.3	42.4	42.5	41.8	42.3	42.9	43.0	43.5
1937	44.2	45.8	47.5	46.3	46.2	47.2	46.3	45.9	45.6	45.2	46.1	46.6
1938	46.3	46.1	46.1	45.5	44.7	44.2	45.2	46.2	47.4	47.6	48.1	47.9
1939	47.7	48.7	48.0	47.7	48.4	49.0	49.1	50.3	51.2	52.2	52.2	51.6
1940	53.6	53.7	54.7	53.0	58.1	59.1	61.0	58.2	55.4	54.0	54.7	56.2
1941	58.0	59.1	59.4	62.5	62.5	60.4	63.8	63.6	68.0	70.1	71.1	71.6
1942	72.0	71.6	72.9	72.4	71.3	72.4	72.0	72.3	71.3	72.2	72.6	73.3
1943	72.1	73.4	74.1	75.9	77.0	78.2	81.0	80.9	80.2	77.6	77.9	79.2
1944	80.1	79.8	78.4	77.6	79.0	77.7	75.9	77.6	78.1	78.8	78.4	76.6
1945	76.6	77.0	79.3	78.2	77.1	77.4	76.8	74.5	72.7	72.8	72.3	73.2
1946	79.4	78.3	77.4	78.0	78.1	78.1	77.5	78.1	78.5	81.1	84.3	84.7
1947	77.5	83.0	84.7	86.3	87.0	90.8	96.4	98.5	97.8	93.5	91.9	91.1
1948	93.1	92.6	93.7	93.7	94.9	95.4	95.0	95.5	95.5	96.1	95.4	96.8
1949	96.5	97.5	98.9	100.7	99.1	99.9	99.0	100.3	101.0	100.3	103.1	103.7
1950	106.1	107.4	107.7	109.4	110.1	111.0	112.8	114.8	117.6	118.6	121.1	122.4
1951	122.5	124.2	125.4	126.8	128.3	129.9	130.5	131.3	129.8	134.4	136.3	134.9
1952	138.2	138.4	138.4	137.9	138.7	138.1	140.1	142.0	144.6	145.1	142.6	145.2
1953	145.0	145.0	145.0	146.8	147.5	148.3	148.9	147.9	148.8	149.8	150.2	151.8
1954	151.7	152.5	155.7	157.5	158.1	161.1	162.6	162.6	166.0	168.5	170.2	171.8
1955	175.0	177.8	180.1	178.4	178.3	181.2	180.4	186.1	186.9	185.4	193.8	195.3
1956	193.1	194.4	195.8	198.5	204.7	206.0	206.6	210.5	210.9	215.3	210.6	212.9
1957	217.3	217.5	216.5	219.1	217.2	214.9	221.3	218.1	220.4	223.6	228.4	228.3
1958	235.4	238.3	236.5	235.3	233.7	236.6	234.9	234.2	238.6	238.5	245.1	257.6
1959	255.5	258.0	258.1	264.6	263.3	269.6	260.9	270.6	280.7	278.1	285.3	284.9
1960	287.5	288.9	299.6	293.0	294.5	302.1	297.8	314.6	308.7	301.4	298.9	305.6
1961	305.8	303.9	302.5	312.2	322.4	323.5	325.0	331.0	327.4	330.4	321.8	325.5
1962	336.0	335.9	335.2	333.9	341.7	337.6	340.5	350.4	339.4	340.7	341.9	334.4

TABLE 9. Monthly Quantity Index of Electric Power and Gas Utilities Production, 1919-62
1949=100

Unadjusted for seasonal variation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1919	8.1	7.3	8.1	8.0	8.2	7.9	8.4	9.0	8.8	9.6	9.4	9.6	8.5
1920	9.6	9.0	9.9	9.6	10.1	9.9	10.0	9.3	9.0	9.1	8.7	8.4	9.4
1921	7.8	6.6	7.2	7.0	7.4	7.6	8.3	8.6	8.4	8.7	8.6	9.0	7.9
1922	9.0	8.1	8.9	8.8	9.6	9.9	10.5	10.8	9.3	10.7	10.4	10.8	9.7
1923	12.6	11.6	12.8	12.1	12.9	12.2	12.3	12.8	12.7	13.7	13.5	13.5	12.7
1924	12.9	12.1	12.8	12.7	13.0	12.3	12.8	12.8	13.2	14.1	14.1	14.7	13.1
1925	15.1	13.9	15.5	15.4	15.8	15.2	15.4	15.2	15.9	17.8	17.4	18.6	15.9
1926	18.4	16.8	18.4	17.4	18.6	18.8	18.7	19.0	19.5	21.3	21.5	22.1	19.2
1927	21.8	20.6	22.2	21.5	21.6	21.5	21.4	23.8	23.2	25.5	25.5	26.5	22.9
1928	25.6	24.8	25.9	24.6	24.8	24.0	24.2	25.4	24.7	28.2	27.9	27.9	25.7
1929	29.1	26.0	28.4	27.2	28.2	26.6	27.3	27.9	28.5	30.8	31.0	29.7	28.4
1930	30.4	27.0	29.3	29.0	29.9	27.7	27.6	27.3	27.7	30.4	29.4	29.8	28.8
1931	28.8	25.9	27.3	27.3	26.4	24.9	24.2	24.3	24.9	27.6	27.4	27.7	26.4
1932	27.3	25.6	26.8	25.7	24.6	23.2	22.3	23.8	24.7	26.9	28.0	27.7	25.6
1933	27.0	25.1	26.5	25.1	26.1	26.5	27.9	29.2	28.8	31.3	32.9	33.0	28.3
1934	33.3	31.2	34.7	32.8	35.4	33.0	31.3	32.4	31.4	35.8	37.8	39.7	34.1
1935	40.0	40.0	38.5	39.7	37.7	36.7	34.9	35.9	38.5	41.8	43.2	42.3	39.1
1936	41.6	41.5	42.1	45.3	40.5	40.7	39.1	38.9	40.8	43.9	45.6	45.5	42.1
1937	46.1	47.6	49.2	47.3	44.9	45.3	42.4	42.5	44.3	46.0	49.0	48.4	46.1
1938	48.3	48.6	47.6	46.5	43.5	42.5	41.2	42.8	46.2	48.1	51.1	49.2	46.3
1939	49.9	51.5	49.1	48.7	47.7	47.4	44.9	46.5	50.0	52.6	55.2	52.5	49.7
1940	56.2	56.5	55.5	54.6	58.0	57.6	56.2	53.8	53.8	54.1	57.3	57.1	55.9
1941	60.4	61.5	60.0	65.1	62.8	59.2	59.3	58.9	66.0	70.0	74.0	72.8	64.2
1942	74.3	73.7	73.9	75.5	72.1	71.4	67.2	67.6	69.1	71.8	75.2	74.6	72.2
1943	73.5	75.1	75.6	79.0	78.3	77.4	75.8	76.3	77.7	77.2	80.5	80.2	77.2
1944	81.1	81.3	80.8	80.2	80.9	77.4	70.8	73.5	75.3	78.7	81.1	77.2	78.2
1945	77.1	78.2	82.5	80.8	79.2	77.4	71.6	70.4	69.7	72.9	74.8	73.6	75.7
1946	82.0	81.4	78.9	79.5	78.9	77.3	74.0	74.6	75.3	80.3	84.8	85.6	79.4
1947	80.7	86.9	87.1	88.1	87.9	89.8	92.1	94.6	94.5	92.1	92.4	92.1	89.8
1948	97.2	97.3	96.9	95.7	95.6	94.2	89.6	90.2	91.6	94.1	96.4	98.4	94.8
1949	101.5	103.3	102.9	103.1	99.5	98.3	92.2	94.2	96.3	97.8	104.9	106.0	100.0
1950	112.8	114.9	112.3	112.1	110.1	108.3	103.7	106.5	111.4	116.2	124.0	126.1	113.2
1951	130.8	133.7	131.0	129.7	127.8	125.9	119.2	120.4	122.1	132.8	139.9	139.9	129.4
1952	148.2	149.3	144.9	140.6	137.4	132.9	127.4	129.2	136.0	143.9	146.3	152.2	140.7
1953	155.8	156.7	152.4	149.4	144.8	142.3	134.8	133.7	139.8	148.5	155.2	160.6	147.9
1954	163.4	165.6	164.1	159.7	154.1	154.2	146.0	146.9	155.9	166.8	177.3	183.1	161.4
1955	187.7	192.5	189.2	180.0	173.5	172.7	162.2	169.2	175.7	183.7	203.8	209.0	183.3
1956	208.4	211.1	205.1	200.1	199.3	194.7	186.0	191.2	197.8	214.8	221.9	227.8	204.9
1957	234.8	237.2	226.2	221.1	211.1	201.3	200.1	197.2	205.7	223.4	241.1	244.8	220.3
1958	255.3	261.3	247.5	238.0	227.0	219.4	212.3	211.1	221.5	238.4	258.9	278.0	239.1
1959	284.9	290.1	273.6	269.1	253.7	247.1	232.8	235.3	254.1	273.8	301.4	308.4	268.7
1960	320.2	327.4	320.6	300.1	284.2	277.6	257.9	267.4	281.4	289.3	317.0	332.6	298.0
1961	343.9	348.9	329.5	320.6	309.8	295.5	273.8	281.9	298.4	315.1	339.3	356.1	317.7
1962	378.0	383.1	363.7	342.5	331.2	311.7	286.3	301.8	308.0	324.4	357.1	364.7	337.7

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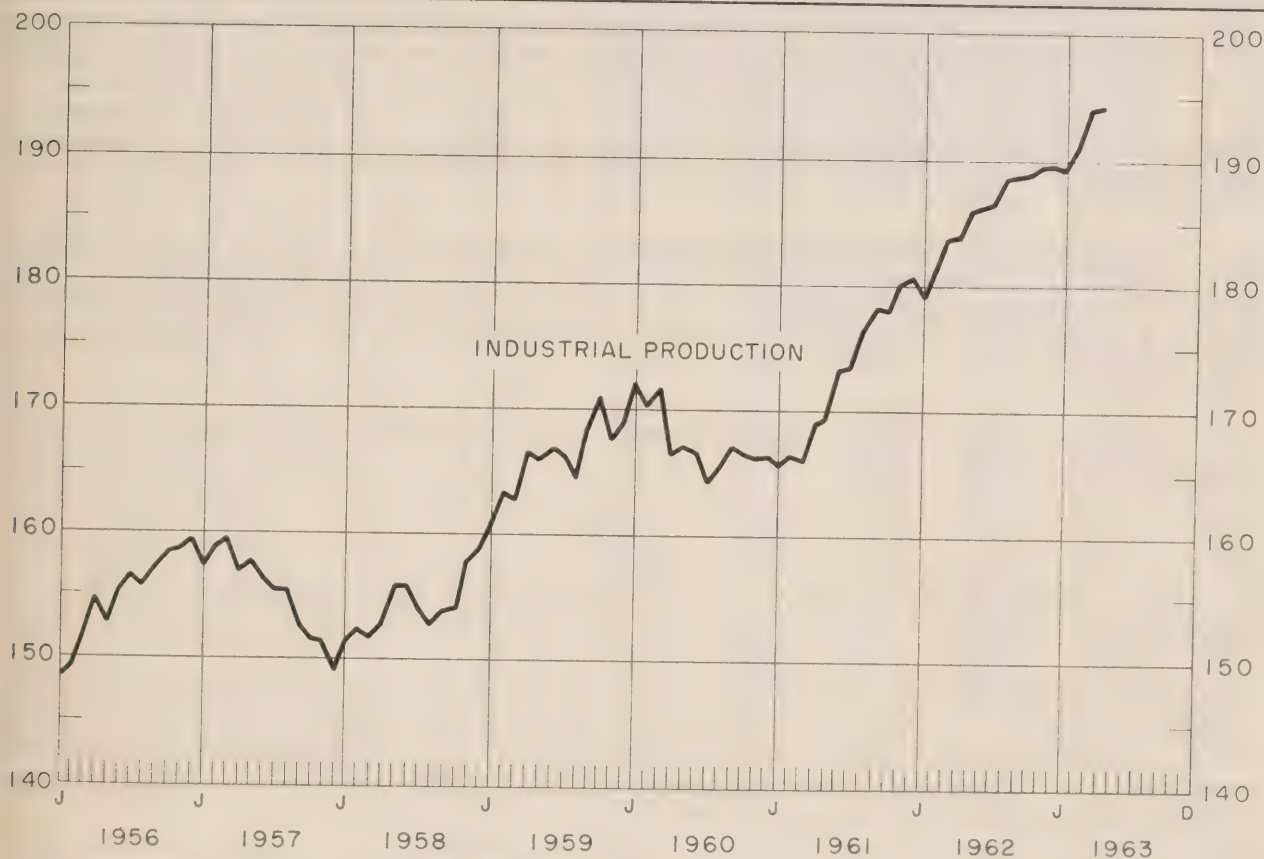
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

April, 1963.

The seasonally adjusted index of industrial production was fractionally higher in April.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

June, 1963
205-502.

The seasonally adjusted index of industrial production for April was up by 0.2% to 194.2 from the revised March level of 193.9. A 1% gain in mining, coupled with a 2% increase in electric power and gas utilities, more than offset a fractional decline in manufacturing.

In non-durable manufactures, which fell by 1.3% in April after the large increase in March, foods and beverages, textiles and chemicals each declined by 2%. There was also a large drop in rubber products, in part due to a labour dispute in the industry. Paper products was off by 1%. Elsewhere, tobacco and leather products were off by 4%. On the other hand, gains of 4% and 2% were recorded in clothing products and in printing and publishing respectively, while petroleum products showed little change.

Durable manufacturing output was up by 1% in April after showing little change within the first quarter. Almost half of this strength in durables originated in the transportation equipment industry, where motor vehicle production was up by almost 4% after the declines registered in February and March. Another one-third occurred in non-ferrous metal products, with smelting and refining up by about 5%. Elsewhere, gains were also registered in non-metallic mineral products (+2%) and electrical apparatus and supplies (+1%). Wood products and iron and steel products showed little change during April; the more important changes included a gain in iron castings, but this was offset by a decline in primary iron and steel.

The 1% gain in mining output was due to an advance of almost 5% in metals, with partially offsetting declines occurring in fuels (-2%) and non-metals (-1%). In metals, strength was widespread in iron-ore, copper, nickel and lead, while in fuels, a decline in crude petroleum was only partially offset by a gain in natural gas output.

The gain in utilities was almost wholly concentrated in the electric power component.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 196 supplement to this report for the periods 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962		1963			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.6	189.7	189.4	191.1	193.9	194.2
MINING, TOTAL	10.07	2	291.9	283.6	281.1	291.5	298.7	301.6
Metals	5.97	2	193.2	193.2	183.5	196.0	203.3	212.5
Gold	1.93	5	96.5	97.4	95.3	97.1	94.8	93.1
Copper	1.10	4	181.4	178.8	164.5	167.3	172.3	179.3
Iron ore	0.31	3	613.7	643.3	590.6	723.8	795.5	900.5
Nickel	1.05	4	197.1	189.9	169.1	185.2	186.5	200.2
Non-metals	0.85	5	210.9	204.6	229.8	213.2	210.5	208.8
Asbestos	0.59	5	219.9	212.8	244.5	217.0	216.8	223.8
Fuels	2.84	3	503.3	484.5	485.2	502.3	512.0	503.7
Coal	1.72	6	45.1	46.3	54.8	56.4	52.0	53.7
Natural gas	0.11	2	1062.9	1054.0	1014.8	1081.6	1059.1	1107.0
Petroleum	1.02	3	1217.1	1163.4	1155.2	1193.2	1230.2	1198.8
MANUFACTURING, TOTAL	84.83	3	168.3	169.9	168.8	169.4	172.0	171.6
NON-DURABLE MANUFACTURES	45.74	3	165.4	167.4	166.0	167.3	172.7	170.5
Foods and beverages	11.83	4	156.6	163.6	159.8	165.0	168.0	164.1
Foods	8.99	4	153.0	157.4	156.0	161.9	164.0	160.4
Meat products	1.62	4	159.9	159.5	154.6	164.2	167.1	156.5
Dairy products	1.40	3	161.7	164.5	167.2	165.7	163.8	162.2
Canning and processing	1.40	4	148.2	168.0	174.5	189.0	196.6	196.7
Grain mill products	1.00	4	133.0	137.3	140.9	146.3	146.0	138.6
Bakery products	1.73	3	145.9	147.1	139.4	142.3	140.6	140.5
Miscellaneous foods	1.83	4	161.4	162.9	158.3	163.3	168.6	165.5
Beverages	2.85	6	167.9	183.1	172.0	174.9	180.5	175.7
Carbonated beverages	0.72	6	185.3	183.7	176.7	162.6	179.3	193.2
Breweries	1.44	6	149.6	173.0	150.9	160.7	163.1	155.1
Distilleries	0.63	6	189.4	208.9	217.5	223.0	224.9	206.2
Tobacco and tobacco products ..	0.77	6	205.7	204.7	205.5	221.3	218.3	210.2
Rubber products	1.33	3	175.8	179.5	184.8	190.7	205.7	181.3
Leather products	1.58	2	128.0	124.9	130.4	126.8	126.8	122.2
Boots and shoes	0.95	4	139.9	132.6	142.9	134.6	137.9	129.3
Textiles	5.04	3	151.9	149.6	149.2	150.4	153.8	150.9
Cotton goods	1.57	4	102.0	100.8	99.7	100.6	101.4	104.6
Wool goods	0.93	3	79.8	83.5	87.0	89.1	85.9	72.3
Synthetic Textiles and Silk	1.33	3	266.2	255.7	258.0	260.8	274.2	
Clothing	5.59	3	112.8	115.7	115.0	111.3	111.8	116.5
Men's, women's and children's clothing	3.45	4	112.0	115.8	113.9	107.9	107.4	114.6

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962		1963			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Paper products	8.22	3	159.9	159.5	156.8	153.2	162.1	160.2
Pulp and paper	6.54	3	160.2	158.3	154.1	151.4	161.0	159.4
Printing publishing and allied industries	3.95	4	153.4	152.3	153.1	151.9	153.7	157.3
Products of petroleum and coal	1.59	3	280.9	285.9	284.1	282.1	303.4	302.2
Petroleum products	1.41	3	304.1	308.8	306.2	303.2	328.2	326.9
Chemicals and allied products	4.22	2	228.9	229.7	227.5	236.4	249.4	245.2
Acids, alkalies, salts and fertilizers	1.07	2	258.0	260.1	255.2	277.9	307.6	312.5
Miscellaneous manufactures	1.62	1	241.4	240.4	241.2	241.1	244.0	244.6
DURABLE MANUFACTURES	39.09	3	171.6	172.8	172.1	171.9	171.1	172.8
Wood products	6.54	2	159.1	160.3	157.0	159.7	156.5	156.4
Saw and planing mills	4.48	3	172.2	173.7	167.9	172.7	168.3	167.8
Veneers and plywoods	0.38	3	348.2	375.6	359.5	350.8	331.9	340.9
Sawmills	3.08	4	164.1	163.1	156.0	163.1	158.8	157.0
Furniture	1.43	2	152.1	153.3	155.9	153.7	154.1	154.9
Iron and steel products	12.49	2	158.1	158.6	157.6	159.7	161.1	160.6
Machinery	2.64	1	159.8	160.1	159.4	159.5	157.3	157.1
Iron castings	1.20	3	135.8	113.4	132.4	145.4	160.2	168.4
Primary iron and steel	2.62	2	200.4	205.0	207.4	210.5	211.9	209.3
Sheet metal products	1.11	1	156.5	153.4	157.6	160.4	160.9	161.0
Transportation equipment	8.23	4	170.1	170.5	174.2	171.5	168.1	171.5
Aircraft and parts	0.63	1	237.1	226.7	226.1	227.7	224.2	224.9
Motor vehicles	3.21	4	231.5	232.3	241.2	236.1	231.1	239.2
Motor vehicle parts	1.43	2	167.4	170.0	169.9	171.1	167.8	168.3
Railway rolling stock	1.93	1	40.9	42.1	42.1	40.9	40.2	40.0
Shipbuilding and repairs	0.81	1	203.8	205.7	209.5	203.0	199.1	200.9
Non-ferrous metal products	4.97	3	145.9	146.2	150.4	146.5	145.4	150.3
Brass and copper products ...	0.75	1	124.8	125.6	127.1	127.5	127.5	127.7
Smelting and refining	3.19	3	160.0	160.5	166.4	160.1	158.4	165.7
Electrical apparatus and supplies	4.40	2	219.7	222.8	216.4	220.6	220.5	222.2
Heavy electrical machinery ..	1.52	1	156.8	159.4	160.9	160.6	158.2	155.8
Telecommunication equipment	0.44	3	540.2	552.5	501.3	520.2	529.9	560.4
Refrigerators and appliances	0.71	3	215.6	224.0	208.4	213.4	213.5	203.8
Non-metallic mineral products	2.46	2	244.5	250.5	242.7	232.1	234.6	239.3
Concrete products	0.30	4	701.5	655.2	647.6	584.2	600.6	629.9
Hydraulic cement	0.36	5	232.9	294.0	277.9	260.6	235.0	254.7
Domestic clay products	0.24	3	148.3	154.6	136.4	127.5	132.9	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	341.9	334.4	351.7	353.6	351.3	359.1
Electric power	4.60	2	313.5	310.5	324.9	324.9	323.7	331.1
Gas	0.51	3	596.9	548.3	591.6	610.9	599.3	

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	181.9	182.4	180.2	191.2	191.8	189.9
MINING, TOTAL	266.9	287.4	279.5	277.9	267.3	287.3	286.3	276.7
Metals	191.7	197.7	180.1	180.8	186.7	177.0	182.7	191.4
Gold	107.1	100.1	102.5	102.6	107.3	98.7	95.6	98.0
Copper	169.5	176.7	164.4	169.1	160.9	158.9	168.2	170.5
Iron ore	504.7	632.5	294.5	317.2	453.1	356.1	437.5	540.3
Nickel	183.8	184.2	185.7	198.7	182.8	181.1	184.6	192.8
Non-metals	211.7	222.5	212.4	224.8	224.2	203.1	210.1	207.1
Asbestos	223.4	234.1	236.0	248.9	238.1	220.3	228.3	223.6
Fuels	430.7	480.8	522.9	507.2	441.0	555.2	534.8	475.1
Coal	49.9	48.8	52.3	51.7	37.1	61.1	48.5	47.8
Natural gas	712.0	1,005.7	1190.2	1080.0	930.9	1384.4	1249.8	1125.8
Petroleum	1,043.7	1,154.0	1246.1	1214.9	1070.4	1300.6	1279.4	1126.9
MANUFACTURING, TOTAL	153.0	164.9	158.2	160.1	160.1	166.8	169.3	168.9
NON-DURABLE MANUFACTURES	157.0	164.8	159.0	160.3	159.9	162.9	168.2	165.9
Foods and beverages	154.2	158.9	134.6	139.9	145.5	139.7	145.1	148.6
Foods	151.2	154.8	133.4	134.9	138.9	138.9	139.2	142.3
Meat products	158.1	159.2	160.7	165.1	160.6	159.9	161.8	160.6
Dairy products	158.3	159.3	133.0	143.6	157.7	137.7	147.4	158.0
Canning and processing	153.8	164.7	83.2	74.3	77.5	95.0	87.0	91.1
Grain mill products	138.6	137.5	135.7	139.7	130.5	143.4	143.6	135.7
Bakery products	149.2	145.4	133.1	135.9	142.8	130.8	129.9	139.7
Miscellaneous foods	146.4	158.3	146.9	144.3	153.3	159.8	159.2	159.4
Beverages	163.6	171.9	138.5	155.6	166.3	142.2	163.6	168.5
Carbonated beverages	165.6	173.0	145.8	138.5	143.5	137.6	137.2	168.3
Breweries	147.6	156.3	123.1	150.1	173.6	127.6	160.5	168.1
Distilleries	200.1	210.0	169.4	193.6	182.7	183.3	206.5	175.9
Tobacco and tobacco products ..	193.6	203.7	204.1	207.7	198.7	224.6	219.0	210.6
Rubber products	145.7	167.6	167.3	160.2	162.7	202.1	204.9	183.3
Leather products	123.8	126.7	140.6	140.5	133.0	139.7	139.2	129.2
Boots and shoes	134.3	137.7	158.6	158.5	148.7	155.6	157.4	141.3
Textiles	134.6	146.6	153.6	150.4	142.1	159.7	162.0	151.8
Cotton goods	98.8	105.3	118.1	118.6	114.0	109.0	109.6	109.0
Wool goods	80.3	84.9	81.8	76.7	89.6	89.5	84.2	72.3
Synthetic textiles and silk ..	219.5	243.6	264.7	255.1	218.9	287.7	298.3	
Clothing	107.1	111.0	112.4	114.5	108.6	119.2	119.8	114.3
Men's, women's and children's clothing	110.3	111.0	116.9	118.9	110.6	118.6	119.6	112.9

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
Paper products	153.4	159.1	155.4	158.3	157.9	151.0	161.2	159.3
Pulp and paper	153.1	158.6	158.3	159.7	157.4	151.7	163.1	159.6
Printing publishing and allied industries	148.2	154.0	153.7	157.5	155.2	151.2	157.4	158.5
Products of petroleum and coal	258.8	272.8	283.7	260.1	246.5	286.9	297.7	275.9
Petroleum products	279.0	294.3	307.4	280.0	264.8	309.3	321.6	296.8
Chemicals and allied products	222.1	233.2	231.7	232.4	241.8	234.8	244.0	250.8
Acids, alkalies, salts and fertilizers	257.2	266.0	261.2	259.6	271.9	273.2	299.6	313.8
Miscellaneous manufactures	213.0	237.2	223.8	226.1	226.8	233.1	235.9	236.0
DURABLE MANUFACTURES	148.4	165.0	157.3	159.9	160.3	171.4	170.5	172.5
Wood products	139.6	151.5	151.9	154.0	137.6	163.4	161.7	142.7
Saw and planing mills	146.7	161.1	165.2	168.0	143.6	181.5	179.2	150.9
Veneers and plywoods	295.4	329.8	343.0	332.2	336.9	375.4	354.8	356.2
Sawmills	134.1	149.6	158.2	163.1	127.4	177.6	176.4	135.0
Furniture	143.6	152.5	143.2	143.2	143.9	146.2	145.3	146.4
Iron and steel products	139.4	152.1	141.7	144.4	146.6	155.7	158.8	159.7
Machinery	133.4	149.1	137.2	140.5	143.0	154.4	154.9	156.3
Iron castings	144.3	135.5	128.0	144.3	142.7	159.9	175.4	165.5
Primary iron and steel	174.0	193.0	184.0	178.2	188.0	205.9	207.2	213.5
Sheet metal products	141.0	157.3	136.5	140.4	145.6	146.3	149.0	153.4
Transportation equipment	129.8	156.7	156.4	161.5	170.2	183.9	180.5	197.5
Aircraft and parts	269.5	260.0	284.0	280.0	269.2	232.9	230.0	226.2
Motor vehicles	157.3	206.9	213.1	220.6	239.5	269.2	258.8	299.0
Motor vehicle parts	121.3	146.6	133.7	139.4	147.7	171.1	172.8	177.2
Railway rolling stock	42.9	41.5	40.9	41.2	41.5	39.4	39.0	39.4
Shipbuilding and repairs	145.2	186.9	167.5	180.4	186.2	197.3	203.1	209.3
Non-ferrous metal products	147.6	148.9	150.8	150.1	148.0	147.1	145.6	149.2
Brass and copper products ...	122.2	126.9	124.3	126.7	127.8	124.1	125.3	126.0
Smelting and refining	165.6	164.2	170.1	167.8	164.3	163.3	160.5	165.7
Electrical apparatus and supplies	182.6	212.9	205.5	204.8	201.0	220.6	215.9	211.6
Heavy electrical machinery ..	132.0	149.8	138.6	139.6	141.8	153.9	151.7	151.3
Telecommunication equipment	428.9	524.1	540.0	526.0	473.2	551.4	514.0	480.8
Refrigerators and appliances	171.3	198.4	191.8	193.9	196.6	221.9	226.3	218.5
Non-metallic mineral products	220.2	240.9	181.3	188.5	209.2	179.8	189.6	210.3
Concrete products	574.1	655.0	329.0	427.0	523.9	350.5	431.2	520.9
Hydraulic cement	214.6	241.9	137.3	156.1	191.7	138.1	148.5	206.3
Domestic clay products	146.2	148.1	119.8	115.6	132.0	101.0	103.9	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	383.1	363.7	342.5	407.0	380.2	367.3
Electric power	298.5	313.1	333.1	322.5	311.5	345.4	332.4	328.5
Gas	490.6	558.3	832.1	733.6	620.7	959.7	808.5	

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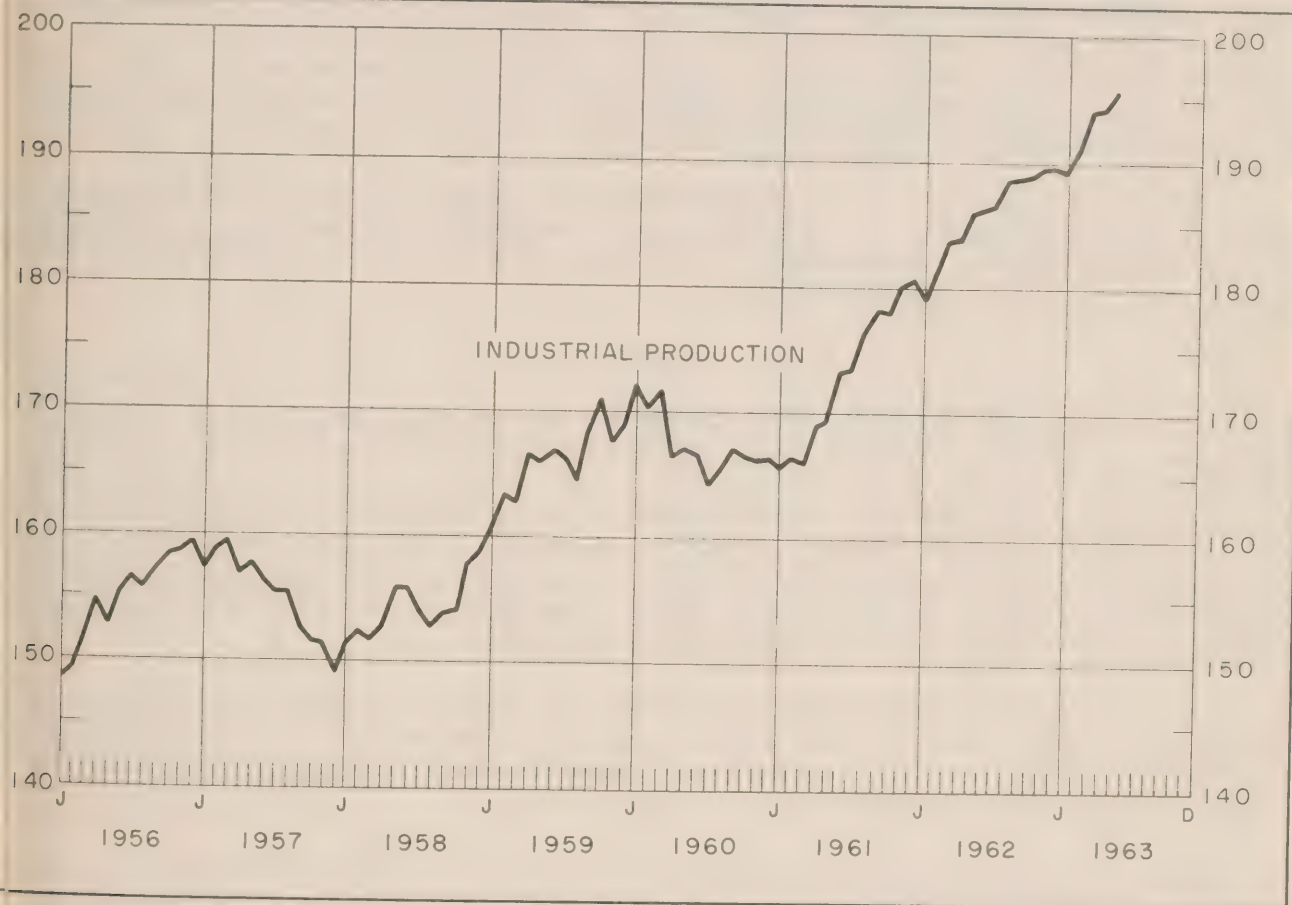
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

May, 1963.

The seasonally adjusted index of industrial
production gained almost 1% in May.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division.

July, 1963
2205-502.

The seasonally adjusted index of industrial production was higher by 0.8% in May to 195.7 from the revised April figure of 194.1. This latest development left the index some 3.3% higher than in January of this year, and 5% over the level recorded in May of last year. The strength in May was concentrated in manufacturing which was up by 1.1% in the month. Elsewhere both mining and electric power and gas utilities declined marginally. The gain in manufacturing was approximately equal in both non-durables and durables, with the former up by 1.1% and the latter by 1.3%.

In non-durables, increases were widespread and substantial, with the only significant major group decline occurring in petroleum products, although foods and beverages and printing and publishing were marginally lower in May. Textile products were up by almost 2%, led by a sizeable advance in woollen goods output. Leather products, clothing, chemicals and paper products each advanced by 3%, the latter due to a similar gain in pulp and paper output. Tobacco and rubber products were also somewhat higher in May.

In durables, strength was also apparent on a wide front, with only non-ferrous metals products little changed. Elsewhere, increases were generally in the order of 1%, the only exception being non-metallic mineral products, up by 5%, a good part of which was due to a large gain in concrete products. The 1% gains occurred in wood products, iron and steel, transportation equipment and electrical apparatus and supplies. Within the detail, a few of the more notable gains were recorded in sawmills (+3%) and motor vehicles (+1.5%).

In mining, declines of 1% in metals and 2% in fuels were mostly offset by a large gain in non-metals. In metals, gains occurred in gold and zinc, while iron ore, copper and nickel were lower. Crude petroleum was off by almost 3% and coal and natural gas were somewhat higher.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the periods 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".
4. Errata - Please note that in the March supplement to this report, the seasonally adjusted figures for manufacturing for November and December, 1921 should read 25.2 and 25.0 respectively. For the total index of industrial production, the figures should read 24.1 and 23.6, respectively, for the same months, on a seasonally adjusted basis.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1962		1963			
			Dec.	Jan.	Feb.	Mar.	Apr.	May
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.7	189.4	191.1	194.0	194.1	195.7
MINING, TOTAL	10.07	2	283.6	281.1	291.5	299.5	300.5	299.3
Metals	5.97	2	193.2	183.5	196.0	203.3	212.5	211.2
Gold	1.93	5	97.4	95.3	97.1	94.8	93.1	100.2
Copper	1.10	4	178.8	164.5	167.3	172.3	179.3	171.8
Iron ore	0.31	3	643.3	590.6	723.8	795.5	900.5	831.4
Nickel	1.05	4	189.9	169.1	185.2	186.5	200.2	190.3
Non-metals	0.85	5	204.6	229.8	213.2	210.5	208.8	230.5
Asbestos	0.59	5	212.8	244.5	217.0	216.8	223.8	239.7
Fuels	2.84	3	484.5	485.2	502.3	516.3	499.6	491.9
Coal	1.72	6	46.3	54.8	56.4	52.0	53.7	56.9
Natural gas	0.11	2	1054.0	1014.8	1081.6	1047.3	1148.2	1200.2
Petroleum	1.02	3	1163.4	1155.2	1193.2	1243.5	1182.9	1150.3
MANUFACTURING, TOTAL	84.83	3	169.9	168.8	169.4	172.0	171.8	173.7
NON-DURABLE MANUFACTURES	45.74	3	167.4	166.0	167.3	172.7	170.8	172.6
Foods and beverages	11.83	4	163.6	159.8	165.0	168.0	163.6	163.2
Foods	8.99	4	157.4	156.0	161.9	164.0	159.7	159.4
Meat products	1.62	4	159.5	154.6	164.2	167.1	156.5	163.9
Dairy products	1.40	3	164.5	167.2	165.7	163.8	162.9	159.4
Canning and processing	1.40	4	168.0	174.5	189.0	196.6	195.0	192.2
Grain mill products	1.00	4	137.3	140.9	146.3	146.0	138.1	139.4
Bakery products	1.73	3	147.1	139.4	142.3	140.4	139.1	142.0
Miscellaneous foods	1.83	4	162.9	158.3	163.3	168.6	164.5	157.5
Beverages	2.85	6	183.1	172.0	174.9	180.5	175.7	175.4
Carbonated beverages	0.72	6	183.7	176.7	162.6	179.3	193.2	177.9
Breweries	1.44	6	173.0	150.9	160.7	163.1	155.1	151.3
Distilleries	0.63	6	208.9	217.5	223.0	224.9	206.2	231.4
Tobacco and tobacco products ..	0.77	6	204.7	205.5	221.3	218.3	210.2	217.6
Rubber products	1.33	3	179.5	184.8	190.7	205.7	181.3	192.2
Leather products	1.58	2	124.9	130.4	126.8	126.8	122.5	126.6
Boots and shoes	0.95	4	132.6	142.9	134.6	137.9	129.3	135.3
Textiles	5.04	3	149.6	149.2	150.4	153.8	155.0	157.5
Cotton goods	1.57	4	100.8	99.7	100.6	101.4	104.6	102.3
Wool goods	0.93	3	83.5	87.0	89.1	85.9	72.3	100.1
Synthetic Textiles and Silk ..	1.33	3	255.7	258.0	260.8	274.2	283.6	275.5
Clothing	5.59	3	115.7	115.0	111.3	111.8	117.3	120.3
Men's, women's and children's clothing	3.45	4	115.8	113.9	107.9	107.3	114.9	117.0

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1962		1963			
			Dec.	Jan.	Feb.	Mar.	Apr.	May
Paper products	8.22	3	159.5	156.8	153.2	162.1	160.2	164.9
Pulp and paper	6.54	3	158.3	154.1	151.4	161.0	159.4	164.8
Printing publishing and allied industries	3.95	4	152.3	153.1	151.9	153.7	156.7	156.2
Products of petroleum and coal	1.59	3	285.9	284.1	282.1	303.4	302.2	275.6
Petroleum products	1.41	3	308.8	306.2	303.2	328.2	326.9	297.0
Chemicals and allied products	4.22	2	229.7	227.5	236.4	249.4	244.0	251.9
Acids, alkalies, salts and fertilizers	1.07	2	260.1	255.2	277.9	307.6	310.3	310.1
Miscellaneous manufactures	1.62	1	240.4	241.2	241.1	243.5	245.7	247.7
DURABLE MANUFACTURES	39.09	3	172.8	172.1	171.9	171.1	172.9	175.1
Wood products	6.54	2	160.3	157.0	159.7	156.4	155.9	157.8
Saw and planing mills	4.48	3	173.7	167.9	172.7	168.3	167.4	170.1
Veneers and plywoods	0.38	3	375.6	359.5	350.8	331.9	340.9	334.5
Sawmills	3.08	4	163.1	156.0	163.1	158.8	157.0	161.8
Furniture	1.43	2	153.3	155.9	153.7	153.9	154.0	154.1
Iron and steel products	12.49	2	158.6	157.6	159.7	161.1	160.5	161.5
Machinery	2.64	1	160.1	159.4	159.5	157.3	157.8	159.6
Iron castings	1.20	3	113.4	132.4	145.4	160.2	168.4	165.2
Primary iron and steel	2.62	2	205.0	207.4	210.5	211.9	209.3	208.6
Sheet metal products	1.11	1	153.4	157.6	160.4	160.7	159.7	156.7
Transportation equipment	8.23	4	170.5	174.2	171.5	168.1	171.8	174.2
Aircraft and parts	0.63	1	226.7	226.1	227.7	224.2	224.6	227.9
Motor vehicles	3.21	4	232.3	241.2	236.1	231.1	239.2	242.8
Motor vehicle parts	1.43	2	170.0	169.9	171.1	167.8	169.3	172.6
Railway rolling stock	1.93	1	42.1	42.1	40.9	40.2	39.3	38.6
Shipbuilding and repairs	0.81	1	205.7	209.5	203.0	199.1	203.8	207.0
Non-ferrous metal products	4.97	3	146.2	150.4	146.5	145.5	150.9	150.7
Brass and copper products ...	0.75	1	125.6	127.1	127.5	127.5	129.0	130.8
Smelting and refining	3.19	3	160.5	166.4	160.1	158.4	165.7	164.9
Electrical apparatus and supplies	4.40	2	222.8	216.4	220.6	220.8	223.3	226.1
Heavy electrical machinery ..	1.52	1	159.4	160.9	160.6	158.2	155.3	155.8
Telecommunication equipment	0.44	3	552.5	501.3	520.2	529.2	561.1	552.7
Refrigerators and appliances	0.71	3	224.0	208.4	213.4	215.7	204.7	217.8
Non-metallic mineral products	2.46	2	250.5	242.7	232.1	234.6	238.6	250.5
Concrete products	0.30	4	655.2	647.6	584.2	600.6	630.0	683.1
Hydraulic cement	0.36	5	294.0	277.9	260.6	235.0	254.7	251.1
Domestic clay products	0.24	3	154.6	136.4	127.5	132.9		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	334.4	351.7	353.6	351.3	356.2	355.7
Electric power	4.60	2	310.5	324.9	324.9	323.7	331.1	329.8
Gas	0.51	3	548.3	591.6	610.9	599.3	581.0	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Mar.	Apr.	May	Mar.	Apr.	May
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	182.4	180.2	188.4	191.9	189.8	197.8
MINING, TOTAL	266.9	287.4	277.9	267.3	290.4	287.3	275.6	298.0
Metals	191.7	197.7	180.8	186.7	207.9	182.7	191.4	207.1
Gold	107.1	100.1	102.6	107.3	98.9	95.6	98.0	99.0
Copper	169.5	176.7	169.1	160.9	170.1	168.2	170.5	167.5
Iron ore	504.7	632.5	317.2	453.1	822.0	437.5	540.3	831.4
Nickel	183.8	184.2	198.7	182.8	190.1	184.6	192.8	190.3
Non-metals	211.7	222.5	224.8	224.2	225.6	210.1	207.1	234.8
Asbestos	223.4	234.1	248.9	238.1	238.9	228.3	223.6	242.6
Fuels	430.7	480.8	507.2	441.0	459.2	539.2	471.4	485.3
Coal	49.9	48.8	51.7	37.1	44.3	48.5	47.8	49.3
Natural gas	712.0	1,005.7	1080.0	930.9	882.5	1235.8	1167.6	1073.0
Petroleum	1,043.7	1,154.0	1214.9	1070.4	1114.4	1293.2	1111.9	1158.4
MANUFACTURING, TOTAL	153.0	164.9	160.1	160.1	167.8	169.3	169.1	176.8
NON-DURABLE MANUFACTURES	157.0	164.8	160.3	159.9	165.3	168.2	166.2	172.4
Foods and beverages	154.2	158.9	139.9	145.5	159.5	145.0	148.2	160.5
Foods	151.2	154.8	134.9	138.9	151.6	139.1	141.8	153.6
Meat products	158.1	159.2	165.1	160.6	157.5	161.8	160.6	164.1
Dairy products	158.3	159.3	143.6	157.7	172.7	147.4	158.7	172.9
Canning and processing	153.8	164.7	74.3	77.5	125.9	87.0	90.3	135.5
Grain mill products	138.6	137.5	139.7	130.5	136.3	143.6	135.2	140.7
Bakery products	149.2	145.4	135.9	142.8	147.9	129.6	138.3	142.5
Miscellaneous foods	146.4	158.3	144.3	153.3	162.1	159.2	158.4	161.1
Beverages	163.6	171.9	155.6	166.3	184.2	163.6	168.5	182.1
Carbonated beverages	165.6	173.0	138.5	143.5	185.7	137.2	168.3	180.0
Breweries	147.6	156.3	150.1	173.6	184.0	160.5	168.1	173.2
Distilleries	200.1	210.0	193.6	182.7	190.0	206.5	175.9	211.5
Tobacco and tobacco products ..	193.6	203.7	207.7	198.7	210.0	219.0	210.6	223.7
Rubber products	145.7	167.6	160.2	162.7	166.4	204.9	183.3	193.5
Leather products	123.8	126.7	140.5	133.0	123.4	139.2	129.3	123.0
Boots and shoes	134.3	137.7	158.5	148.7	136.8	157.4	141.3	132.6
Textiles	134.6	146.6	150.4	142.1	148.8	162.0	155.9	159.1
Cotton goods	98.8	105.3	118.6	114.0	111.0	109.6	109.0	106.2
Wool goods	80.3	84.9	76.7	89.6	81.6	84.2	72.3	93.4
Synthetic textiles and silk ..	219.5	243.6	255.1	218.9	251.0	298.3	283.6	282.7
Clothing	107.1	111.0	114.5	108.6	105.1	119.7	115.1	113.6
Men's, women's and children's clothing	110.3	111.0	118.9	110.6	105.2	119.5	113.2	110.1

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Mar.	Apr.	May	Mar.	Apr.	May
Paper products	153.4	159.1	158.3	157.9	160.1	161.2	159.3	166.8
Pulp and paper	153.1	158.6	159.7	157.4	160.2	163.1	159.6	167.4
Printing publishing and allied industries	148.2	154.0	157.5	155.2	160.1	157.4	157.8	160.2
Products of petroleum and coal	258.8	272.8	260.1	246.5	260.5	297.7	275.9	273.0
Petroleum products	279.0	294.3	280.0	264.8	280.4	321.6	296.8	293.7
Chemicals and allied products	222.1	233.2	232.4	241.8	243.5	244.0	249.4	260.9
Acids, alkalis, salts and fertilizers	257.2	266.0	259.6	271.9	290.4	299.6	311.5	328.4
Miscellaneous manufactures	213.0	237.2	226.1	226.8	227.2	235.5	237.1	239.0
DURABLE MANUFACTURES	148.4	165.0	159.9	160.3	170.6	170.6	172.6	182.0
Wood products	139.6	151.5	154.0	137.6	149.7	161.7	142.2	157.8
Saw and planing mills	146.7	161.1	168.0	143.6	160.2	179.3	150.5	172.0
Veneers and plywoods	295.4	329.8	332.2	336.9	332.0	354.8	356.2	356.8
Sawmills	134.1	149.6	163.1	127.4	150.5	176.4	135.0	154.0
Furniture	143.6	152.5	143.2	143.9	146.5	145.1	145.5	147.9
Iron and steel products	139.4	152.1	144.4	146.6	154.5	158.8	159.6	166.0
Machinery	133.4	149.1	140.5	143.0	145.3	154.9	157.0	159.0
Iron castings	144.3	135.5	144.3	142.7	150.7	175.4	165.5	165.0
Primary iron and steel	174.0	193.0	178.2	188.0	205.4	207.2	213.5	225.0
Sheet metal products	141.0	157.3	140.4	145.6	153.8	148.8	152.2	155.0
Transportation equipment	129.8	156.7	161.5	170.2	181.5	180.5	197.8	203.0
Aircraft and parts	269.5	260.0	280.0	269.2	262.9	230.0	225.9	226.0
Motor vehicles	157.3	206.9	220.6	239.5	265.4	258.8	299.0	308.0
Motor vehicle parts	121.3	146.6	139.4	147.7	152.3	172.8	178.3	184.0
Railway rolling stock	42.9	41.5	41.2	41.5	41.9	39.0	38.7	38.0
Shipbuilding and repairs	145.2	186.9	180.4	186.2	191.8	203.1	212.4	217.0
Non-ferrous metal products	147.6	148.9	150.1	148.0	153.0	145.6	149.7	149.0
Brass and copper products ...	122.2	126.9	126.7	127.8	128.0	125.3	127.3	129.0
Smelting and refining	165.6	164.2	167.8	164.3	171.1	160.5	165.7	164.0
Electrical apparatus and supplies	182.6	212.9	204.8	201.0	200.5	216.2	212.6	214.0
Heavy electrical machinery ..	132.0	149.8	139.6	141.8	144.6	151.7	150.8	153.0
Telecommunication equipment	428.9	524.1	526.0	473.2	454.4	513.3	481.4	476.0
Refrigerators and appliances	171.3	198.4	193.9	196.6	193.7	228.6	219.4	218.0
Non-metallic mineral products	220.2	240.9	188.5	209.2	253.7	189.5	209.7	263.0
Concrete products	574.1	655.0	427.0	523.9	742.9	431.2	521.0	786.0
Hydraulic cement	214.6	241.9	156.1	191.7	268.7	148.5	206.3	286.0
Domestic clay products	146.2	148.1	115.6	132.0	159.8	103.9		
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	363.7	342.5	331.2	380.2	363.8	348.0
Electric power	298.5	313.1	322.5	311.5	316.0	332.4	328.5	329.0
Gas	490.6	558.3	733.6	620.7	467.1	808.5	680.9	

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JUNE 1963

The seasonally adjusted index of industrial production was virtually unchanged in June.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

August 1963
2205-502

The seasonally adjusted index of industrial production was virtually unchanged in June moving from 195.6 in May to 195.5. The 0.3% increase in manufacturing was offset by an almost 2% decline in mining output with electric power and gas utilities unchanged.

This latest development left the total index of production for the January to June period of 1963 higher by almost five and one-half per cent than the first six months of 1962. During the second quarter, on a seasonally adjusted basis, total industrial production was higher by about 1.9% than the first quarter.

Within durable manufactures, which fell marginally in June, gains of 1% occurred in wood, iron and steel products, and transportation equipment. These were offset by slight declines in both non-ferrous metal products and electrical apparatus and supplies, and a 6% drop in non-metallic mineral products. The latter followed the sharp increase in this group recorded in May. Elsewhere in the detail, iron castings, primary iron and steel and motor vehicles remained high in June.

Output of non-durables was up by slightly more than one-half of one per cent in June, the result of mixed movements. Gains of from 1% to 3% were recorded in chemicals, printing and publishing, foods and beverages, leather products, petroleum refining, rubber and textile products. Tobacco, clothing and paper products were lower in June, the latter due to a decline in pulp and paper output. Again in this industry, the decline followed an unusually large increase last month.

The decline in mining in large part emanated in metals, particularly in iron ore and nickel, although non-metals, due to asbestos, was also lower by about 5%. Fuels gained about 2%, with natural gas and crude petroleum contributing about equally.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the periods 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Jan.	Feb.	Mar.	Apr.	May	June
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	189.4	191.1	194.0	194.3	195.6	195.5
MINING, TOTAL	10.07	2	281.1	291.5	299.5	302.1	297.5	292.2
Metals	5.97	2	183.5	196.0	203.3	212.5	207.3	195.9
Gold	1.93	5	95.3	97.1	94.8	93.1	100.2	101.0
Copper	1.10	4	164.5	167.3	172.3	179.3	171.8	176.0
Iron ore	0.31	3	590.6	723.8	795.5	900.5	755.7	630.0
Nickel	1.05	4	169.1	185.2	186.5	200.2	190.3	170.7
Non-metals	0.85	5	229.8	213.2	210.5	208.8	230.7	218.5
Asbestos	0.59	5	244.5	217.0	216.8	223.8	239.7	222.1
Fuels	2.84	3	485.2	502.3	516.3	499.6	489.9	498.3
Coal	1.72	6	54.8	56.4	52.0	53.7	56.9	53.7
Natural gas	0.11	2	1014.8	1081.6	1047.3	1148.2	1193.4	1309.1
Petroleum	1.02	3	1155.2	1193.2	1243.5	1182.9	1145.7	1162.0
MANUFACTURING, TOTAL	84.83	3	168.8	169.4	172.0	171.7	173.7	174.2
NON-DURABLE MANUFACTURES	45.74	3	166.0	167.3	172.7	170.8	172.8	173.9
Food and beverages	11.83	4	159.8	165.0	168.0	163.6	163.4	165.9
Food	8.99	4	156.0	161.9	164.0	159.7	159.6	159.1
Meat products	1.62	4	154.6	164.2	167.1	156.5	164.5	162.9
Dairy products	1.40	3	167.2	165.7	163.8	162.9	159.4	163.6
Canning and processing	1.40	4	174.5	189.0	196.6	195.0	194.0	189.1
Grain mill products	1.00	4	140.9	146.3	146.0	138.1	138.5	145.6
Bakery products	1.73	3	139.4	142.3	140.4	139.1	142.1	138.7
Miscellaneous foods	1.83	4	158.3	163.3	168.6	164.5	157.0	156.1
Beverages	2.85	6	172.0	174.9	180.5	175.7	175.4	187.1
Carbonated beverages	0.72	6	176.7	162.6	179.3	193.2	177.9	196.9
Breweries	1.44	6	150.9	160.7	163.1	155.1	151.3	164.4
Distilleries	0.63	6	217.5	223.0	224.9	206.2	231.4	232.2
Tobacco and tobacco products ..	0.77	6	205.5	221.3	218.3	210.2	217.6	203.6
Rubber products	1.33	3	184.8	190.7	205.7	181.3	192.2	198.2
Leather products	1.58	2	130.4	126.8	126.8	122.5	126.8	129.9
Boots and shoes	0.95	4	142.9	134.6	137.9	129.3	135.3	136.2
Textiles	5.04	3	149.2	150.4	153.8	154.9	157.5	161.7
Cotton goods	1.57	4	99.7	100.6	101.4	104.6	102.3	114.2
Wool goods	0.93	3	87.0	89.1	85.9	72.3	100.1	101.5
Synthetic Textiles and Silk ..	1.33	3	258.0	260.8	274.2	283.6	275.5	
Clothing	5.59	3	115.0	111.3	111.8	117.1	119.5	118.6
Men's, women's and children's clothing	3.45	4	113.9	107.9	107.3	114.6	115.1	113.8

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Jan.	Feb.	Mar.	Apr.	May	June
Paper products	8.22	3	156.8	153.2	162.1	160.3	165.2	162.8
Pulp and paper	6.54	3	154.1	151.4	161.0	159.4	164.8	162.1
Printing publishing and allied industries	3.95	4	153.1	151.9	153.7	156.7	156.1	158.0
Products of petroleum and coal	1.59	3	284.1	282.1	303.4	302.2	275.6	280.8
Petroleum products	1.41	3	306.2	303.2	328.2	326.9	297.0	303.2
Chemicals and allied products	4.22	2	227.5	236.4	249.4	244.1	252.7	254.0
Acids, alkalies, salts and fertilizers	1.07	2	255.2	277.9	307.6	310.6	307.8	306.6
Miscellaneous manufactures	1.62	1	241.2	241.1	243.5	246.2	250.2	251.8
DURABLE MANUFACTURES	39.09	3	172.1	171.9	171.1	172.8	174.8	174.7
Wood products	6.54	2	157.0	159.7	156.4	155.7	157.0	158.5
Saw and planing mills	4.48	3	167.9	172.7	168.3	167.3	169.5	172.1
Veneers and plywoods	0.38	3	359.5	350.8	331.9	340.9	334.5	336.9
Sawmills	3.08	4	156.0	163.1	158.8	157.0	161.8	165.6
Furniture	1.43	2	155.9	153.7	153.9	153.7	152.4	150.8
Iron and steel products	12.49	2	157.6	159.7	161.1	160.5	161.8	163.1
Machinery	2.64	1	159.4	159.5	157.3	157.8	159.4	160.4
Iron castings	1.20	3	132.4	145.4	160.2	168.4	165.2	165.9
Primary iron and steel	2.62	2	207.4	210.5	211.9	209.3	208.6	209.7
Sheet metal products	1.11	1	157.6	160.4	160.7	159.7	158.7	157.8
Transportation equipment	8.23	4	174.2	171.5	168.1	171.8	174.2	175.4
Aircraft and parts	0.63	1	226.1	227.7	224.2	224.6	229.6	231.1
Motor vehicles	3.21	4	241.2	236.1	231.1	239.2	242.8	245.8
Motor vehicle parts	1.43	2	169.9	171.1	167.8	169.6	173.0	172.2
Railway rolling stock	1.93	1	42.1	40.9	40.2	39.3	38.8	39.0
Shipbuilding and repairs	0.81	1	209.5	203.0	199.1	203.8	204.6	203.2
Non-ferrous metal products	4.97	3	150.4	146.5	145.5	150.9	150.6	148.9
Brass and copper products ...	0.75	1	127.1	127.5	127.5	129.0	131.2	130.8
Smelting and refining	3.19	3	166.4	160.1	158.4	165.7	164.9	162.4
Electrical apparatus and supplies	4.40	2	216.4	220.6	220.8	223.3	224.4	224.0
Heavy electrical machinery ..	1.52	1	160.9	160.6	158.2	155.3	154.3	152.2
Telecommunication equipment	0.44	3	501.3	520.2	529.2	561.1	549.4	551.7
Refrigerators and appliances	0.71	3	208.4	213.4	215.7	204.7	217.2	219.2
Non-metallic mineral products	2.46	2	242.7	232.1	234.6	237.7	250.7	237.6
Concrete products	0.30	4	647.6	584.2	600.6	630.0	683.1	610.8
Hydraulic cement	0.36	5	277.9	260.6	235.0	254.7	251.1	239.6
Domestic clay products	0.24	3	136.4	127.5	132.9	128.8		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	351.7	353.6	351.3	356.2	358.7	358.4
Electric power	4.60	2	324.9	324.9	323.7	331.1	329.8	329.8
Gas	0.51	3	591.6	610.9	599.3	581.0	618.1	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			Apr.	May	June	Apr.	May	June
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	180.2	188.4	194.8	189.9	197.9	204.8
MINING, TOTAL	266.9	287.4	267.3	290.4	293.3	276.8	297.5	301.1
Metals	191.7	197.7	186.7	207.9	220.0	191.4	207.1	211.7
Gold	107.1	100.1	107.3	98.9	97.5	98.0	99.0	99.3
Copper	169.5	176.7	160.9	170.1	188.2	170.5	167.5	188.8
Iron ore	504.7	632.5	453.1	822.0	956.2	540.3	831.3	886.4
Nickel	183.8	184.2	182.8	190.1	177.9	192.8	190.3	170.4
Non-metals	211.7	222.5	224.2	225.6	236.2	207.1	234.9	231.5
Asbestos	223.4	234.1	238.1	238.9	244.2	223.6	242.6	231.7
Fuels	430.7	480.8	441.0	459.2	432.6	471.4	483.3	474.2
Coal	49.9	48.8	37.1	44.3	44.2	47.8	49.3	43.8
Natural gas	712.0	1,005.7	930.9	882.5	849.8	1167.6	1066.9	1055.1
Petroleum	1,043.7	1,154.0	1070.4	1114.4	1043.8	1111.9	1153.7	1138.8
MANUFACTURING, TOTAL	153.0	164.9	160.1	167.8	176.1	169.1	176.8	185.8
NON-DURABLE MANUFACTURES	157.0	164.8	159.9	165.3	173.0	166.2	172.5	181.3
Foods and beverages	154.2	158.9	145.5	159.5	177.6	148.2	160.5	180.9
Foods	151.2	154.8	138.9	151.6	164.7	141.8	153.7	168.8
Meat products	158.1	159.2	160.6	157.5	154.4	160.6	164.7	158.2
Dairy products	158.3	159.3	157.7	172.7	206.7	158.7	172.9	212.3
Canning and processing	153.8	164.7	77.5	125.9	159.1	90.3	136.5	186.6
Grain mill products	138.6	137.5	130.5	136.3	147.9	135.2	139.7	148.3
Bakery products	149.2	145.4	142.8	147.9	155.4	138.3	142.6	149.6
Miscellaneous foods	146.4	158.3	153.3	162.1	164.1	158.4	160.6	160.7
Beverages	163.6	171.9	166.3	184.2	218.3	168.5	182.1	219.1
Carbonated beverages	165.6	173.0	143.5	185.7	224.0	168.3	180.0	232.4
Breweries	147.6	156.3	173.6	184.0	203.4	168.1	173.2	207.3
Distilleries	200.1	210.0	182.7	190.0	256.0	175.9	211.5	241.5
Tobacco and tobacco products ..	193.6	203.7	198.7	210.0	236.9	210.6	223.7	238.8
Rubber products	145.7	167.6	162.7	166.4	192.5	183.3	193.5	225.4
Leather products	123.8	126.7	133.0	123.4	129.3	129.5	123.2	130.5
Boots and shoes	134.3	137.7	148.7	136.8	143.3	141.3	132.6	138.5
Textiles	134.6	146.6	142.1	148.8	155.0	155.8	159.1	170.6
Cotton goods	98.8	105.3	114.0	111.0	99.9	109.0	106.2	114.2
Wool goods	80.3	84.9	89.6	81.6	97.3	72.3	93.4	107.6
Synthetic textiles and silk ..	219.5	243.6	218.9	251.0	272.8	283.6	282.7	
Clothing	107.1	111.0	108.6	105.1	106.9	114.9	112.9	112.8
Men's, women's and children's clothing	110.3	111.0	110.6	105.2	104.3	112.9	108.3	106.3

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Apr.	May	June	Apr.	May	June
Paper products	153.4	159.1	157.9	160.1	163.4	159.4	167.1	166.6
Pulp and paper	153.1	158.6	157.4	160.2	161.4	159.6	167.4	164.5
Printing publishing and allied industries	148.2	154.0	155.2	160.1	154.0	157.8	160.0	157.8
Products of petroleum and coal	258.8	272.8	246.5	260.5	254.8	275.9	273.0	281.5
Petroleum products	279.0	294.3	264.8	280.4	273.3	296.8	293.7	303.2
Chemicals and allied products	222.1	233.2	241.8	243.5	250.8	249.5	261.7	268.6
Acids, alkalis, salts and fertilizers	257.2	266.0	271.9	290.4	288.1	311.8	326.0	320.4
Miscellaneous manufactures	213.0	237.2	226.8	227.2	232.6	237.6	241.4	246.8
DURABLE MANUFACTURES	148.4	165.0	160.3	170.6	179.8	172.5	181.9	191.0
Wood products	139.6	151.5	137.6	149.7	168.6	142.1	157.6	179.6
Saw and planing mills	146.7	161.1	143.6	160.2	185.9	150.4	171.4	203.0
Veneers and plywoods	295.4	329.8	336.9	332.0	341.9	356.2	356.6	363.9
Sawmills	134.1	149.6	127.4	150.5	181.8	135.0	164.5	205.2
Furniture	143.6	152.5	143.9	146.5	150.5	145.2	146.3	148.5
Iron and steel products	139.4	152.1	146.6	154.5	163.4	159.7	166.3	174.1
Machinery	133.4	149.1	143.0	145.3	147.9	157.0	159.7	161.7
Iron castings	144.3	135.5	142.7	150.7	166.8	165.5	165.2	182.0
Primary iron and steel	174.0	193.0	188.0	205.4	214.9	213.5	225.5	230.7
Sheet metal products	141.0	157.3	145.6	153.8	167.3	152.2	157.4	166.6
Transportation equipment	129.8	156.7	170.2	181.5	182.2	197.8	203.1	208.9
Aircraft and parts	269.5	260.0	269.2	262.9	263.1	225.9	227.8	231.1
Motor vehicles	157.3	206.9	239.5	265.4	266.9	299.0	308.4	324.5
Motor vehicle parts	121.3	146.6	147.7	152.3	148.8	178.6	184.8	180.0
Railway rolling stock	42.9	41.5	41.5	41.9	42.2	38.7	39.0	39.9
Shipbuilding and repairs	145.2	186.9	186.2	191.8	198.9	212.4	214.8	213.4
Non-ferrous metal products	147.6	148.9	148.0	153.0	148.7	149.7	149.8	146.7
Brass and copper products ...	122.2	126.9	127.8	128.0	128.6	127.3	129.9	130.9
Smelting and refining	165.6	164.2	164.3	171.1	163.3	165.7	164.9	159.2
Electrical apparatus and supplies	182.6	212.9	201.0	200.5	214.4	212.6	212.9	224.8
Heavy electrical machinery ..	132.0	149.8	141.8	144.6	150.0	150.8	151.7	153.6
Telecommunication equipment	428.9	524.1	473.2	454.4	508.0	481.4	473.6	526.9
Refrigerators and appliances	171.3	198.4	196.6	193.7	217.4	219.4	218.3	241.8
Non-metallic mineral products	220.2	240.9	209.2	253.7	285.1	208.8	263.6	276.7
Concrete products	574.1	655.0	523.9	742.9	839.1	521.0	786.2	784.3
Hydraulic cement	214.6	241.9	191.7	268.7	339.4	206.3	286.2	335.4
Domestic clay products	146.2	148.1	132.0	159.8	171.9	117.7		
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	342.5	331.2	311.7	363.8	351.6	330.3
Electric power	298.5	313.1	311.5	316.0	303.0	328.5	329.1	318.6
Gas	490.6	558.3	620.7	467.1	389.6	680.9	553.8	

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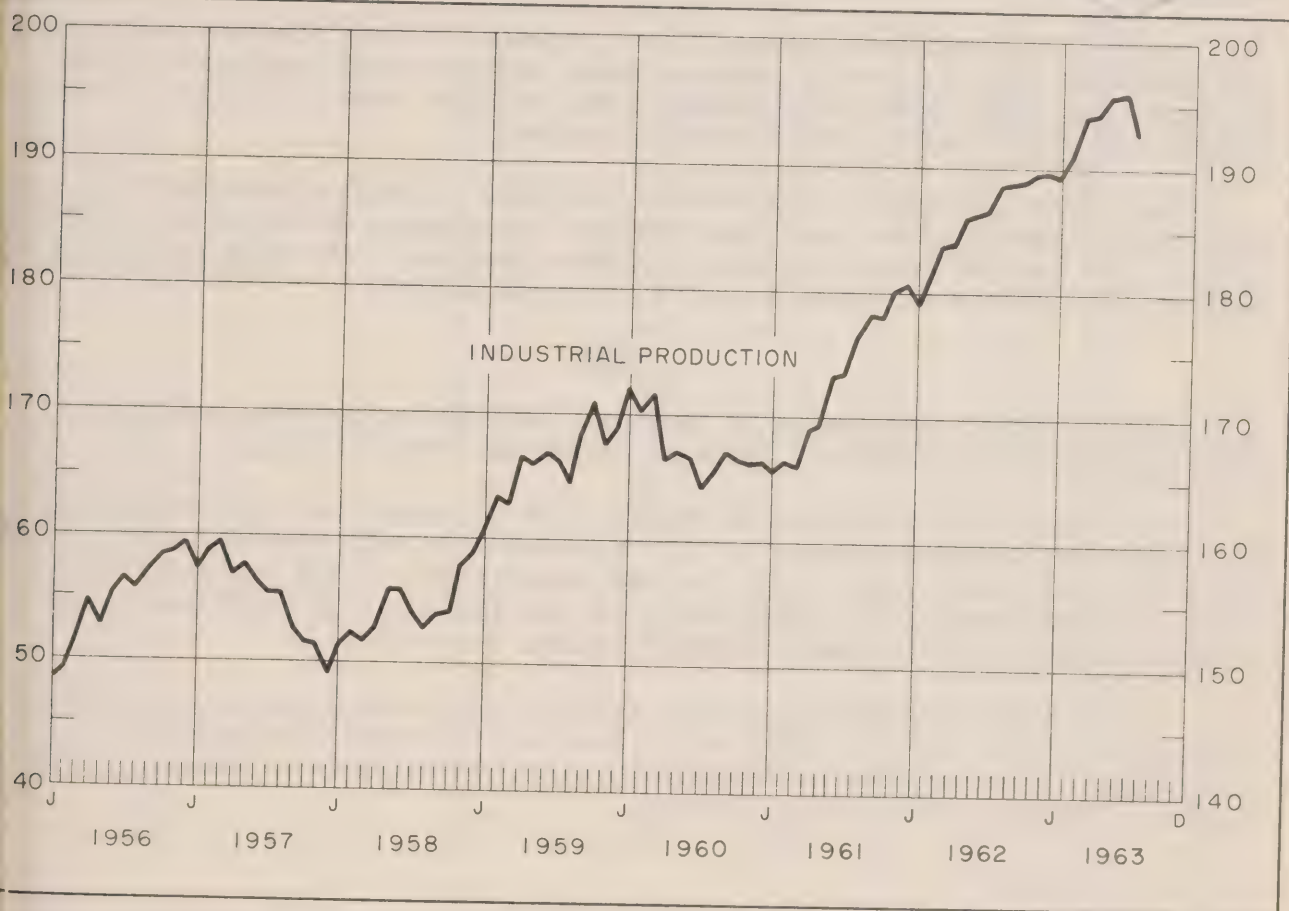
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JULY 1963

The seasonally adjusted index of industrial production declined by 1.6 per cent in July.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

September 1963

25-502

The seasonally adjusted index of industrial production fell by about one and one-half percent in July as weaknesses developed in both mining and manufacturing. The former was off by more than 4%, while the latter, reflecting roughly equal declines in both its durable and non-durable components, fell by 1.6%. Partially offsetting these declines was a more than 3% rise in the output of electric power and gas utilities.

It should be mentioned that the drop in the index in July may have been influenced by the changing pattern of seasonality in the summer months due to the effects on production of the wider extension of vacations in industry. Until such time as this can be further substantiated, some caution should be exercised in the interpretation of the figures for the summer months.

A good part of the decline in non-durables took place in foods and beverages which were down by 5%. Lesser drops occurred in textiles, printing and publishing, paper products, and chemicals. Rubber products were also somewhat lower. On the other hand, large gains were recorded in leather and tobacco products and petroleum refining.

The drop in durables of almost 2% was repeated in much the same magnitude in wood products, iron and steel, transportation equipment and non-ferrous metal products. Elsewhere, electrical apparatus and supplies were off by 1%, while non-metallic mineral products were marginally higher.

About three-quarters of the decline in mining production occurred in metals, with the remainder due to lower fuels output. Weaknesses developed in gold, copper, nickel, iron ore and 'other' metals (including uranium). The main reason for the decline in fuels was a 3% drop in crude petroleum output.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the periods 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

* As long as supplies last, copies of this supplement can be obtained on request by writing to: Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Feb.	Mar.	Apr.	May	June	July
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	191.1	194.0	194.3	195.7	195.9	192.8
MINING, TOTAL	10.07	2	291.5	299.5	302.1	297.5	298.9	285.6
Metals	5.97	2	196.0	203.3	212.5	207.5	196.1	180.4
Gold	1.93	5	97.1	94.8	93.1	100.2	101.0	93.7
Copper	1.10	4	167.3	172.3	179.3	171.8	176.0	167.2
Iron ore	0.31	3	723.8	795.5	900.5	755.7	630.0	567.5
Nickel	1.05	4	185.2	186.5	200.2	190.3	170.7	147.1
Non-metals	0.85	5	213.2	210.5	208.8	230.7	218.5	217.4
Asbestos	0.59	5	217.0	216.8	223.8	239.7	222.1	229.8
Fuels	2.84	3	502.3	516.3	499.6	489.9	521.8	508.0
Coal	1.72	6	56.4	52.0	53.7	56.9	53.7	50.4
Natural gas	0.11	2	1081.6	1047.3	1148.2	1193.4	1243.4	1265.0
Petroleum	1.02	3	1193.2	1243.5	1182.9	1145.7	1234.9	1199.5
MANUFACTURING, TOTAL	84.83	3	169.4	172.0	171.7	173.8	173.7	170.9
NON-DURABLE MANUFACTURES	45.74	3	167.3	172.7	170.8	172.8	173.3	170.7
Food and beverages	11.83	4	165.0	168.0	163.6	163.3	165.0	156.8
Food	8.99	4	161.9	164.0	159.7	159.5	158.0	148.2
Meat products	1.62	4	164.2	167.1	156.5	164.5	162.9	156.5
Dairy products	1.40	3	165.7	163.8	162.9	159.4	163.6	160.1
Canning and processing	1.40	4	189.0	196.6	195.0	194.0	182.4	143.8
Grain mill products	1.00	4	146.3	146.0	138.1	138.5	145.3	127.8
Bakery products	1.73	3	142.3	140.4	139.1	142.1	138.1	140.2
Miscellaneous foods	1.83	4	163.3	163.6	164.5	156.7	156.4	154.1
Beverages	2.85	6	174.9	180.5	175.7	175.4	187.2	183.6
Carbonated beverages	0.72	6	162.6	179.3	193.2	177.9	196.9	174.8
Breweries	1.44	6	160.7	163.1	155.1	151.3	164.4	167.4
Distilleries	0.63	6	223.0	224.9	206.2	231.4	232.2	234.0
Tobacco and tobacco products ..	0.77	6	221.3	218.3	210.2	217.6	203.6	221.7
Rubber products	1.33	3	190.7	205.7	181.3	192.2	198.2	182.7
Leather products	1.58	2	126.8	126.8	122.5	126.8	129.3	130.5
Boots and shoes	0.95	4	134.6	137.9	129.3	135.3	136.2	157.5
Textiles	5.04	3	150.4	153.8	154.9	158.1	160.7	155.8
Cotton goods	1.57	4	100.6	101.4	104.6	102.3	114.2	114.2
Wool goods	0.93	3	89.1	85.9	72.3	100.1	101.5	93.1
Synthetic Textiles and Silk	1.33	3	260.8	274.2	283.6	278.0	272.7	260.5
Clothing	5.59	3	111.3	111.8	117.1	119.6	118.1	118.4
Men's, women's and children's clothing	3.45	4	107.9	107.3	114.6	115.3	113.4	111.2

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1963					
			Feb.	Mar.	Apr.	May	June	July
Paper products	8.22	3	153.2	162.1	160.3	165.2	162.7	161.9
Pulp and paper	6.54	3	151.4	161.0	159.4	164.8	162.1	161.8
Printing publishing and allied industries	3.95	4	151.9	153.7	156.7	156.1	158.4	155.6
Products of petroleum and coal	1.59	3	282.1	303.4	302.2	275.6	280.9	297.8
Petroleum products	1.41	3	303.2	328.2	326.9	297.0	303.3	321.7
Chemicals and allied products	4.22	2	236.4	249.4	244.1	252.6	252.4	249.8
Acids, alkalies, salts and fertilizers	1.07	2	277.9	307.6	310.6	307.4	306.0	315.1
Miscellaneous manufactures	1.62	1	241.1	243.5	246.2	250.4	250.0	248.2
DURABLE MANUFACTURES	39.09	3	171.9	171.1	172.8	174.9	174.2	171.1
Wood products	6.54	2	159.7	156.4	155.7	157.1	158.1	154.4
Saw and planing mills	4.48	3	172.7	168.3	167.3	169.6	171.6	166.8
Veneers and plywoods	0.38	3	350.8	331.9	340.9	334.5	336.9	334.3
Sawmills	3.08	4	163.1	158.8	157.0	161.8	165.6	159.0
Furniture	1.43	2	153.7	153.9	153.7	152.6	150.9	149.8
Iron and steel products	12.49	2	159.7	161.1	160.5	161.9	162.5	159.0
Machinery	2.64	1	159.5	157.3	157.8	159.7	161.0	162.6
Iron castings	1.20	3	145.4	160.2	168.4	165.2	165.9	154.6
Primary iron and steel	2.62	2	210.5	211.9	209.3	208.6	209.7	210.9
Sheet metal products	1.11	1	160.4	160.7	159.7	159.2	157.1	155.7
Transportation equipment	8.23	4	171.5	168.1	171.8	174.2	174.8	171.2
Aircraft and parts	0.63	1	227.7	224.2	224.6	229.4	226.9	224.2
Motor vehicles	3.21	4	236.1	231.1	239.2	242.8	245.8	241.3
Motor vehicle parts	1.43	2	171.1	167.8	169.6	173.0	173.0	166.4
Railway rolling stock	1.93	1	40.9	40.2	39.3	38.8	39.1	39.1
Shipbuilding and repairs	0.81	1	203.0	199.1	203.8	204.9	198.6	193.0
Non-ferrous metal products	4.97	3	146.5	145.5	150.9	150.6	149.4	145.6
Brass and copper products ...	0.75	1	127.5	127.5	129.0	131.2	133.1	133.8
Smelting and refining	3.19	3	160.1	158.4	165.7	164.9	162.4	155.5
Electrical apparatus and supplies	4.40	2	220.6	220.8	223.3	224.4	222.9	220.6
Heavy electrical machinery ..	1.52	1	160.6	158.2	155.3	154.3	153.8	154.2
Telecommunication equipment	0.44	3	520.2	529.2	561.1	549.1	544.6	524.5
Refrigerators and appliances	0.71	3	213.4	215.7	204.7	217.2	218.6	223.3
Non-metallic mineral products	2.46	2	232.1	234.6	237.7	250.6	237.4	239.0
Concrete products	0.30	4	584.2	600.6	630.0	683.1	610.8	593.9
Hydraulic cement	0.36	5	260.6	235.0	254.7	251.1	239.6	241.8
Domestic clay products	0.24	3	127.5	132.9	128.8			
ELECTRIC POWER AND GAS UTILITIES	5.11	2	353.6	351.3	356.2	358.7	361.5	373.0
Electric power	4.60	2	324.9	323.7	331.1	329.8	329.8	341.5
Gas	0.51	3	610.9	599.3	581.0	618.1	646.0	664.8

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			May	June	July	May	June	July
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	188.4	194.8	182.0	198.0	205.1	184.7
MINING, TOTAL	266.9	287.4	290.4	293.3	295.2	298.7	307.8	290.0
Metals	191.7	197.7	207.9	220.0	213.8	207.3	211.9	183.1
Gold	107.1	100.1	98.9	97.5	98.1	99.0	99.3	87.1
Copper	169.5	176.7	170.1	188.2	181.8	167.5	188.8	163.9
Iron ore	504.7	632.5	822.0	956.2	951.8	831.3	886.4	737.7
Nickel	183.8	184.2	190.1	177.9	174.5	190.3	170.4	136.8
Non-metals	211.7	222.5	225.6	236.2	209.8	234.9	231.5	198.7
Asbestos	223.4	234.1	238.9	244.2	212.6	242.6	231.7	202.9
Fuels	430.7	480.8	459.2	432.6	458.8	483.3	497.7	504.5
Coal	49.9	48.8	44.3	44.2	45.8	49.3	43.8	44.1
Natural gas	712.0	1,005.7	882.5	849.8	829.0	1066.9	1002.2	938.6
Petroleum	1,043.7	1,154.0	1114.4	1043.8	1116.6	1153.7	1210.2	1235.5
MANUFACTURING, TOTAL	153.0	164.9	167.8	176.1	162.3	176.9	185.3	164.4
NON-DURABLE MANUFACTURES	157.0	164.8	165.3	173.0	161.0	172.6	180.8	163.8
Food and beverages	154.2	158.9	159.5	177.6	173.1	160.5	180.3	166.3
Foods	151.2	154.8	151.6	164.7	170.4	153.6	167.9	158.9
Meat products	158.1	159.2	157.5	154.4	145.5	164.7	158.2	148.5
Dairy products	158.3	159.3	172.7	206.7	186.1	172.9	212.3	189.1
Canning and processing	153.8	164.7	125.9	159.1	270.8	136.5	181.9	207.4
Grain mill products	138.6	137.5	136.3	147.9	138.9	139.7	147.9	125.4
Bakery products	149.2	145.4	147.9	155.4	151.9	142.6	148.9	146.3
Miscellaneous foods	146.4	158.3	162.1	164.1	138.2	160.2	160.8	138.3
Beverages	163.6	171.9	184.2	218.3	181.8	182.1	219.3	189.4
Carbonated beverages	165.6	173.0	185.7	224.0	221.6	180.0	232.4	230.7
Breweries	147.6	156.3	184.0	203.4	196.0	173.2	207.3	199.2
Distilleries	200.1	210.0	190.0	256.0	110.6	211.5	241.5	127.3
Tobacco and tobacco products ..	193.6	203.7	210.0	236.9	157.5	223.7	238.8	169.8
Rubber products	145.7	167.6	166.4	192.5	147.9	193.5	225.4	155.3
Leather products	123.8	126.7	123.4	129.3	93.6	123.2	130.0	101.8
Boots and shoes	134.3	137.7	136.8	143.3	96.9	132.6	138.5	109.8
Textiles	134.6	146.6	148.8	155.0	120.0	159.8	169.5	119.7
Cotton goods	98.8	105.3	111.0	99.9	72.3	106.2	114.2	70.8
Wool goods	80.3	84.9	81.6	97.3	73.3	93.4	107.6	72.6
Synthetic textiles and silk ..	219.5	243.6	251.0	272.8	188.8	285.2	301.3	190.2
Clothing	107.1	111.0	105.1	106.9	107.0	113.0	112.3	111.6
Men's, women's and children's clothing	110.3	111.0	105.2	104.3	107.8	108.5	105.9	108.0

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	May	June	July	May	June	July
Paper products	153.4	159.1	160.1	163.4	157.0	167.1	166.5	159.3
Pulp and paper	153.1	158.6	160.2	161.4	153.0	167.4	164.5	156.0
Printing publishing and allied industries	148.2	154.0	160.1	154.0	147.6	160.0	158.2	147.1
Products of petroleum and coal	258.8	272.8	260.5	254.8	254.2	273.0	281.6	297.8
Petroleum products	279.0	294.3	280.4	273.3	272.8	293.7	303.3	321.7
Chemicals and allied products	222.1	233.2	243.5	250.8	233.7	261.5	267.1	245.3
Acids, alkalies, salts and fertilizers	257.2	266.0	290.4	288.1	281.0	325.5	319.8	316.7
Miscellaneous manufactures	213.0	237.2	227.2	232.6	235.7	241.6	245.0	244.7
DURABLE MANUFACTURES	148.4	165.0	170.6	179.8	163.8	181.8	190.5	165.0
Wood products	139.6	151.5	149.7	168.6	159.0	157.2	179.2	163.6
Saw and planing mills	146.7	161.1	160.2	185.9	170.6	171.5	202.5	179.1
Veneers and plywoods	295.4	329.8	332.0	341.9	312.7	356.6	363.9	301.2
Sawmills	134.1	149.6	150.5	181.8	160.5	164.5	205.2	177.1
Furniture	143.6	152.5	146.5	150.5	153.4	146.5	148.6	150.2
Iron and steel products	139.4	152.1	154.5	163.4	150.8	166.5	173.4	154.9
Machinery	133.4	149.1	145.3	147.9	147.9	160.0	162.3	163.3
Iron castings	144.3	135.5	150.7	166.8	129.5	165.2	182.0	120.6
Primary iron and steel	174.0	193.0	205.4	214.9	194.5	225.5	230.7	208.2
Sheet metal products	141.0	157.3	153.8	167.3	174.9	157.9	165.9	169.4
Transportation equipment	129.8	156.7	181.5	182.2	141.9	203.1	208.2	142.3
Aircraft and parts	269.5	260.0	262.9	263.1	256.6	227.6	226.9	219.7
Motor vehicles	157.3	206.9	265.4	266.9	175.9	308.4	324.5	170.1
Motor vehicle parts	121.3	146.6	152.3	148.8	126.5	184.8	180.8	156.4
Railway rolling stock	42.9	41.5	41.9	42.2	42.2	39.0	40.0	40.6
Shipbuilding and repairs	145.2	186.9	191.8	198.9	195.3	215.1	208.5	199.8
Non-ferrous metal products	147.6	148.9	153.0	148.7	147.4	149.8	147.2	139.8
Brass and copper products ...	122.2	126.9	128.0	128.6	128.8	129.9	133.2	135.3
Smelting and refining	165.6	164.2	171.1	163.3	160.4	164.9	159.2	146.6
Electrical apparatus and supplies	182.6	212.9	200.5	214.4	199.8	212.9	223.7	207.1
Heavy electrical machinery ..	132.0	149.8	144.6	150.0	152.6	151.7	155.2	157.0
Telecommunication equipment	428.9	524.1	454.4	508.0	417.5	473.3	520.1	425.7
Refrigerators and appliances	171.3	198.4	193.7	217.4	171.2	218.3	241.1	197.1
Non-metallic mineral products	220.2	240.9	253.7	285.1	284.5	263.5	276.6	271.5
Concrete products	574.1	655.0	742.9	839.1	849.9	786.2	784.3	760.2
Hydraulic cement	214.6	241.9	268.7	339.4	318.8	286.2	335.4	321.5
Domestic clay products	146.2	148.1	159.8	171.9	163.9			
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	331.2	311.7	286.3	351.6	332.5	314.4
Electric power	298.5	313.1	316.0	303.0	280.8	329.1	318.6	308.0
Gas	490.6	558.3	467.1	389.6	335.9	553.8	456.7	374.0

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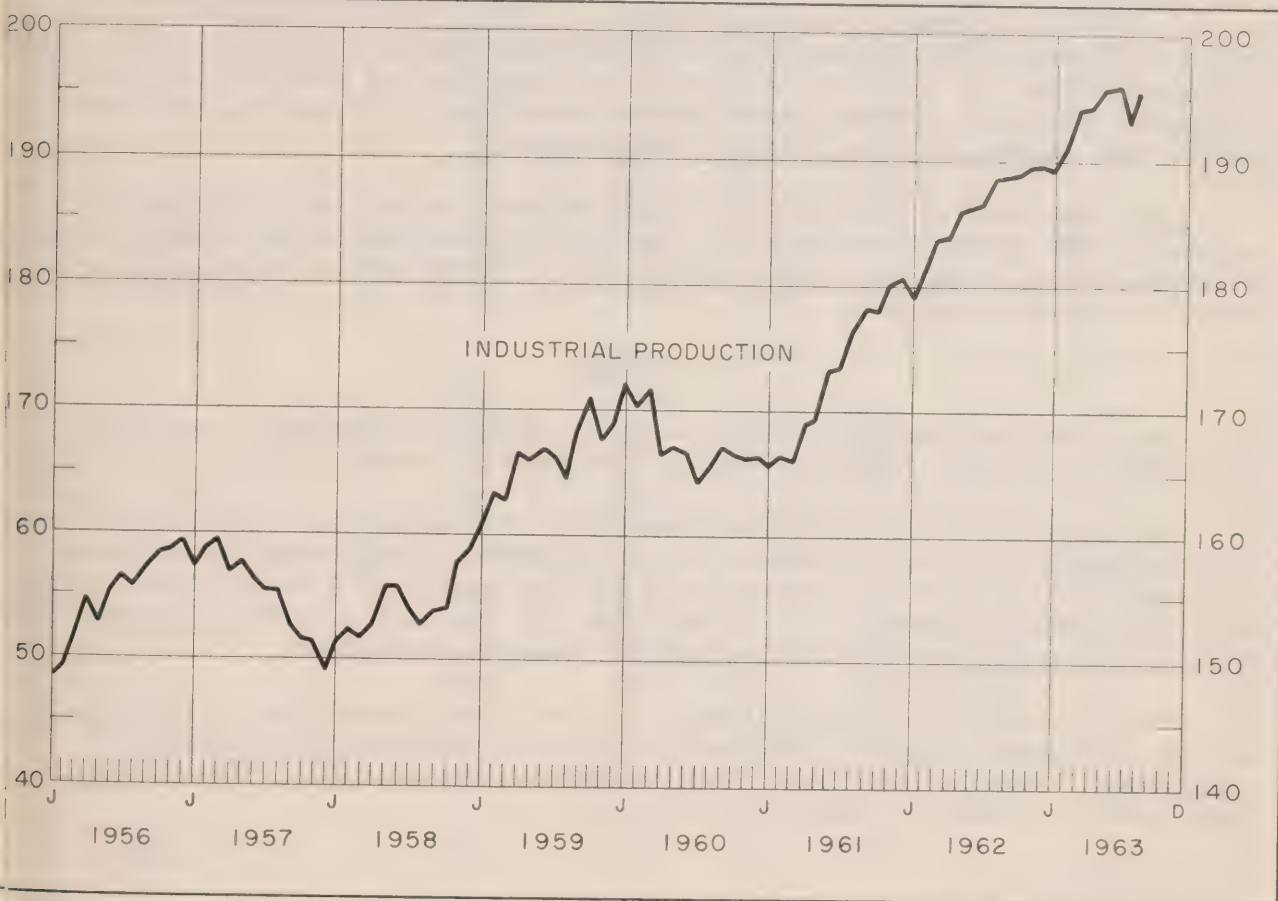
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

Aug. 1963

The seasonally adjusted index of industrial production advanced by 1.2% in August.



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

October 1963
205-502



The seasonally adjusted index of industrial production was up by 1.2% in August, recovering most of the ground lost by the unusual decline during July. In August, both mining and manufacturing were considerably higher (3.1% and 1.2% respectively), while electric power and gas utilities fell by about 2%. The strength in manufacturing was more apparent in non-durables where output advanced by more than one and one-half per cent, although durables were also up by close to one per cent.

As noted in July, some caution should be exercised in the interpretation of the figures for the summer months. More definite conclusions concerning the seasonally adjusted production movements in these months will have to await the emergence of seasonal patterns for the next few years.

In non-durables, sizeable advances were recorded in foods and beverages (+ 4%) textiles (+6%) and paper products (+ 3%). Lesser increases occurred in printing and publishing and chemical products. Partial offsets to these gains took place in tobacco, leather, and petroleum products and clothing.

In durables strength was concentrated in transportation equipment, with motor vehicles mostly responsible, and non-ferrous metal products (+ 4%). Smaller gains were shown in electrical apparatus and supplies and non-metallic mineral products. Both wood products and iron and steel fell by about 1%, the latter largely the effect of lower primary steel output.

More than half of the gain in mining occurred in metals. This was the component most seriously affected by the unusual weakness in last month's figures. Every individual metal was higher except zinc. There were also gains recorded in both fuels and non-metals.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

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TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Mar.	Apr.	May	June	July	Aug.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	194.0	194.3	195.7	195.9	193.1	195.4
MINING, TOTAL	10.07	2	299.5	302.1	297.5	298.3	286.9	295.8
Metals	5.97	2	203.3	212.5	207.5	196.1	180.4	188.4
Gold	1.93	5	94.8	93.1	100.2	101.0	93.7	97.7
Copper	1.10	4	172.3	179.3	171.8	176.0	167.2	173.5
Iron ore	0.31	3	795.5	900.5	755.7	630.0	567.5	567.4
Nickel	1.05	4	186.5	200.2	190.3	170.7	147.1	172.5
Non-ferrous metals	0.85	5	210.5	208.8	230.7	218.5	220.2	240.8
Asbestos	0.59	5	216.8	223.8	239.7	222.1	233.3	256.9
Fuels	2.84	3	516.3	499.6	489.9	521.8	511.7	520.3
Coal	1.72	6	52.0	53.7	56.9	53.7	50.4	55.7
Natural gas	0.11	2	1047.3	1148.2	1193.4	1243.4	1316.2	1315.6
Petroleum	1.02	3	1243.5	1182.9	1145.7	1234.9	1204.2	1219.4
MANUFACTURING, TOTAL	84.83	3	172.0	171.7	173.8	173.8	171.1	173.2
DURABLE MANUFACTURES	45.74	3	172.7	170.8	172.8	173.4	171.0	173.8
Food and beverages	11.83	4	168.0	163.6	163.3	165.0	157.4	163.4
Food products	8.99	4	164.0	159.7	159.5	158.0	149.1	156.2
Meat products	1.62	4	167.1	156.5	164.5	162.9	156.5	161.7
Dairy products	1.40	3	163.8	162.9	159.4	163.6	160.1	162.4
Canning and processing	1.40	4	196.6	195.0	194.0	182.4	145.9	158.6
Grain mill products	1.00	4	146.0	138.1	138.5	145.3	128.6	137.4
Bakery products	1.73	3	140.4	139.1	142.1	138.3	144.0	147.5
Miscellaneous foods	1.83	4	168.6	164.5	156.7	156.2	152.8	163.4
Beverages	2.85	6	180.5	175.7	175.4	187.2	183.5	186.2
Carbonated beverages	0.72	6	179.3	193.2	177.9	196.9	174.8	186.3
Breweries	1.44	6	163.1	155.1	151.3	164.4	167.4	165.4
Distilleries	0.63	6	224.9	206.2	231.4	232.2	234.0	236.9
Tobacco and tobacco products ..	0.77	6	218.3	210.2	217.6	203.6	221.7	204.8
Textile products	1.33	3	205.7	181.3	192.2	198.2	182.7	193.1
Leather products	1.58	2	126.8	122.5	126.8	129.3	137.5	126.0
Foots and shoes	0.95	4	137.9	129.3	135.3	136.2	157.5	135.8
Textiles	5.04	3	153.8	154.9	158.1	160.7	155.7	165.2
Cotton goods	1.57	4	101.4	104.6	102.3	114.2	114.2	119.0
Wool goods	0.93	3	85.9	72.3	100.1	101.5	93.1	89.6
Synthetic Textiles and Silk ..	1.33	3	274.2	283.6	278.0	272.7	260.5	292.9
Wearing apparel	5.59	3	111.8	117.1	119.6	119.0	118.7	116.8
Men's, women's and children's clothing	3.45	4	107.3	114.6	115.3	113.8	111.0	111.9

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Mar.	Apr.	May	June	July	Aug.
Paper products	8.22	3	162.1	160.3	165.2	162.7	162.1	166.7
Pulp and paper	6.54	3	161.0	159.4	164.8	162.1	161.8	167.3
Printing publishing and allied industries	3.95	4	153.7	156.7	156.1	158.5	155.9	157.6
Products of petroleum and coal	1.59	3	303.4	302.2	275.6	280.9	297.8	286.5
Petroleum products	1.41	3	328.2	326.9	297.0	303.3	321.7	308.7
Chemicals and allied products	4.22	2	249.4	244.1	252.6	252.3	250.3	252.0
Acids, alkalies, salts and fertilizers	1.07	2	307.6	310.6	307.4	304.9	308.4	312.0
Miscellaneous manufactures	1.62	1	243.5	246.2	250.4	250.5	248.9	249.3
DURABLE MANUFACTURES	39.09	3	171.1	172.8	174.9	174.3	171.2	172.5
Wood products	6.54	2	156.4	155.7	157.1	158.2	154.8	153.8
Saw and planing mills	4.48	3	168.3	167.3	169.6	171.7	167.1	165.5
Veneers and plywoods	0.38	3	331.9	340.9	334.5	336.9	334.3	338.6
Sawmills	3.08	4	158.8	157.0	161.8	165.6	159.0	156.3
Furniture	1.43	2	153.9	153.7	152.6	150.8	150.4	151.1
Iron and steel products	12.49	2	161.1	160.5	161.9	162.4	158.6	157.3
Machinery	2.64	1	157.3	157.8	159.7	160.7	161.5	161.1
Iron castings	1.20	3	160.2	168.4	165.2	165.9	154.7	156.4
Primary iron and steel	2.62	2	211.9	209.3	208.6	209.7	210.9	203.6
Sheet metal products	1.11	1	160.7	159.7	159.2	157.2	154.7	156.0
Transportation equipment	8.23	4	168.1	171.8	174.2	174.8	171.9	175.7
Aircraft and parts	0.63	1	224.2	224.6	229.4	227.3	224.7	223.0
Motor vehicles	3.21	4	231.1	239.2	242.8	245.8	241.3	252.4
Motor vehicle parts	1.43	2	167.8	169.6	173.0	173.2	168.9	164.1
Railway rolling stock	1.93	1	40.2	39.3	38.8	39.1	39.3	39.2
Shipbuilding and repairs	0.81	1	199.1	203.8	204.9	198.7	195.0	199.9
Non-ferrous metal products	4.97	3	145.5	150.9	150.6	149.4	145.7	151.5
Brass and copper products ...	0.75	1	127.5	129.0	131.2	133.2	136.2	137.3
Smelting and refining	3.19	3	158.4	165.7	164.9	162.4	155.4	164.3
Electrical apparatus and supplies	4.40	2	220.8	223.3	224.4	223.2	221.0	221.5
Heavy electrical machinery ..	1.52	1	158.2	155.3	154.3	153.8	153.7	153.8
Telecommunication equipment	0.44	3	529.2	561.1	549.1	546.4	528.2	535.7
Refrigerators and appliances	0.71	3	215.7	204.7	217.2	218.6	224.2	222.2
Non-metallic mineral products	2.46	2	234.6	237.7	250.6	238.6	240.0	243.3
Concrete products	0.30	4	600.6	630.0	683.1	610.8	593.9	604.7
Hydraulic cement	0.36	5	235.0	254.7	251.1	239.6	241.8	250.7
Domestic clay products	0.24	3	132.9	128.8	135.0	145.7	143.7	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	351.3	356.2	358.7	361.5	373.9	366.3
Electric power	4.60	2	323.7	331.1	329.8	329.8	341.5	334.6
Gas	0.51	3	599.3	581.0	618.1	646.0	664.8	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	June	July	Aug.	June	July	Aug.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	194.8	182.0	183.5	205.1	184.5	189.7
MINING, TOTAL	266.9	287.4	293.3	295.2	301.9	307.0	286.1	300.4
Metals	191.7	197.7	220.0	213.8	216.3	211.9	183.1	198.8
Gold	107.1	100.1	97.5	98.1	96.2	99.3	87.1	93.5
Copper	169.5	176.7	188.2	181.8	197.5	188.8	163.9	180.8
Iron ore	504.7	632.5	956.2	951.8	944.3	886.4	737.7	822.7
Nickel	183.8	184.2	177.9	174.5	183.9	170.4	136.8	172.7
Non-metals	211.7	222.5	236.2	209.8	234.0	231.5	201.2	244.4
Asbestos	223.4	234.1	244.2	212.6	245.6	231.7	206.0	256.9
Fuels	430.7	480.8	432.6	458.8	467.2	497.7	490.1	495.2
Coal	49.9	48.8	44.2	45.8	30.5	43.8	44.1	32.3
Natural gas	712.0	1,005.7	849.8	829.0	866.4	1002.2	976.6	986.7
Petroleum	1,043.7	1,154.0	1043.8	1116.6	1161.8	1210.2	1191.0	1224.3
MANUFACTURING, TOTAL	153.0	164.9	176.1	162.3	162.3	185.4	164.6	168.7
NON-DURABLE MANUFACTURES	157.0	164.8	173.0	161.0	167.4	180.9	164.0	176.6
Foods and beverages	154.2	158.9	177.6	173.1	176.5	180.3	167.0	183.7
Foods	151.2	154.8	164.7	170.4	173.4	167.9	159.9	175.2
Meat products	158.1	159.2	154.4	145.5	150.6	158.2	148.5	154.9
Dairy products	158.3	159.3	206.7	186.1	177.8	212.3	189.1	182.4
Canning and processing	153.8	164.7	159.1	270.8	284.6	181.9	209.8	279.9
Grain mill products	138.6	137.5	147.9	138.9	134.2	147.9	126.2	137.2
Bakery products	149.2	145.4	155.4	151.9	150.0	149.2	150.3	151.7
Miscellaneous foods	146.4	158.3	164.1	138.2	148.4	160.6	137.1	150.8
Beverages	163.6	171.9	218.3	181.8	186.2	219.3	189.3	210.4
Carbonated beverages	165.6	173.0	224.0	221.6	210.4	232.4	230.7	239.9
Breweries	147.6	156.3	203.4	196.0	156.2	207.3	199.2	173.5
Distilleries	200.1	210.0	256.0	110.6	232.9	241.5	127.3	268.9
Tobacco and tobacco products ..	193.6	203.7	236.9	157.5	201.7	238.8	169.8	204.2
Rubber products	145.7	167.6	192.5	147.9	125.9	225.4	155.3	150.6
Leather products	123.8	126.7	129.3	93.6	128.2	129.9	101.0	127.2
Boots and shoes	134.3	137.7	143.3	96.9	142.4	138.5	109.8	139.3
Textiles	134.6	146.6	155.0	120.0	134.8	169.5	119.6	153.5
Cotton goods	98.8	105.3	99.9	72.3	93.0	114.2	70.8	109.4
Wool goods	80.3	84.9	97.3	73.3	83.1	107.6	72.6	90.4
Synthetic textiles and silk ..	219.5	243.6	272.8	188.8	213.7	301.3	190.2	261.3
Clothing	107.1	111.0	106.9	107.0	112.9	113.2	111.8	116.4
Men's, women's and children's clothing	110.3	111.0	104.3	107.8	112.1	106.3	107.8	112.9

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	June	July	Aug.	June	July	Aug.
Paper products	153.4	159.1	163.4	157.0	162.1	166.5	159.7	168.7
Pulp and paper	153.1	158.6	161.4	153.0	159.7	164.5	156.0	166.6
Printing publishing and allied industries	148.2	154.0	154.0	147.6	147.5	158.3	147.4	149.8
Products of petroleum and coal	258.8	272.8	254.8	254.2	285.2	281.6	297.8	303.0
Petroleum products	279.0	294.3	273.3	272.8	307.0	303.3	321.7	327.1
Chemicals and allied products	222.1	233.2	250.8	233.7	231.1	266.9	245.7	250.1
Acids, alkalies, salts and fertilizers	257.2	266.0	288.1	281.0	264.1	318.6	309.9	309.1
Miscellaneous manufactures	213.0	237.2	232.6	235.7	241.4	245.5	245.4	250.1
DURABLE MANUFACTURES	148.4	165.0	179.8	163.8	156.4	190.6	165.2	159.1
Wood products	139.6	151.5	168.6	159.0	161.7	179.2	164.0	167.1
Saw and planing mills	146.7	161.1	185.9	170.6	173.5	202.6	179.5	182.1
Veneers and plywoods	295.4	329.8	341.9	312.7	293.7	363.9	301.2	320.1
Sawmills	134.1	149.6	181.8	160.5	166.8	205.2	177.1	178.1
Furniture	143.6	152.5	150.5	153.4	157.6	148.5	150.9	156.1
Iron and steel products	139.4	152.1	163.4	150.8	158.9	173.4	154.3	160.1
Machinery	133.4	149.1	147.9	147.9	151.4	162.0	162.1	162.1
Iron castings	144.3	135.5	166.8	129.5	136.2	182.0	120.7	140.1
Primary iron and steel	174.0	193.0	214.9	194.5	206.9	230.7	208.2	211.1
Sheet metal products	141.0	157.3	167.3	174.9	179.0	166.0	168.3	170.1
Transportation equipment	129.8	156.7	182.2	141.9	85.1	208.3	142.9	89.1
Aircraft and parts	269.5	260.0	263.1	256.6	252.4	227.3	220.2	217.1
Motor vehicles	157.3	206.9	266.9	175.9	26.0	324.5	170.1	36.1
Motor vehicle parts	121.3	146.6	148.8	126.5	140.4	181.0	158.8	154.1
Railway rolling stock	42.9	41.5	42.2	42.2	41.7	40.0	40.8	40.1
Shipbuilding and repairs	145.2	186.9	198.9	195.3	193.3	208.6	201.8	200.1
Non-ferrous metal products	147.6	148.9	148.7	147.4	148.8	147.2	139.9	150.1
Brass and copper products ...	122.2	126.9	128.6	128.8	130.2	133.3	137.7	141.1
Smelting and refining	165.6	164.2	163.3	160.4	162.0	159.2	146.5	161.1
Electrical apparatus and supplies	182.6	212.9	214.4	199.8	213.1	223.9	207.4	217.1
Heavy electrical machinery ..	132.0	149.8	150.0	152.6	152.8	155.2	156.5	155.1
Telecommunication equipment	428.9	524.1	508.0	417.5	518.1	521.8	428.4	535.1
Refrigerators and appliances	171.3	198.4	217.4	171.2	183.4	241.1	198.2	191.1
Non-metallic mineral products	220.2	240.9	285.1	284.5	282.3	278.0	272.9	280.1
Concrete products	574.1	655.0	839.1	849.9	899.0	784.3	760.2	787.1
Hydraulic cement	214.6	241.9	339.4	318.8	306.1	335.4	321.9	329.1
Domestic clay products	146.2	148.1	171.9	163.9	162.1	171.5	158.1	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	311.7	286.3	301.8	332.5	314.7	321.1
Electric power	298.5	313.1	303.0	280.8	296.1	318.6	308.0	315.1
Gas	490.6	558.3	389.6	335.9	353.4	456.7	374.0	



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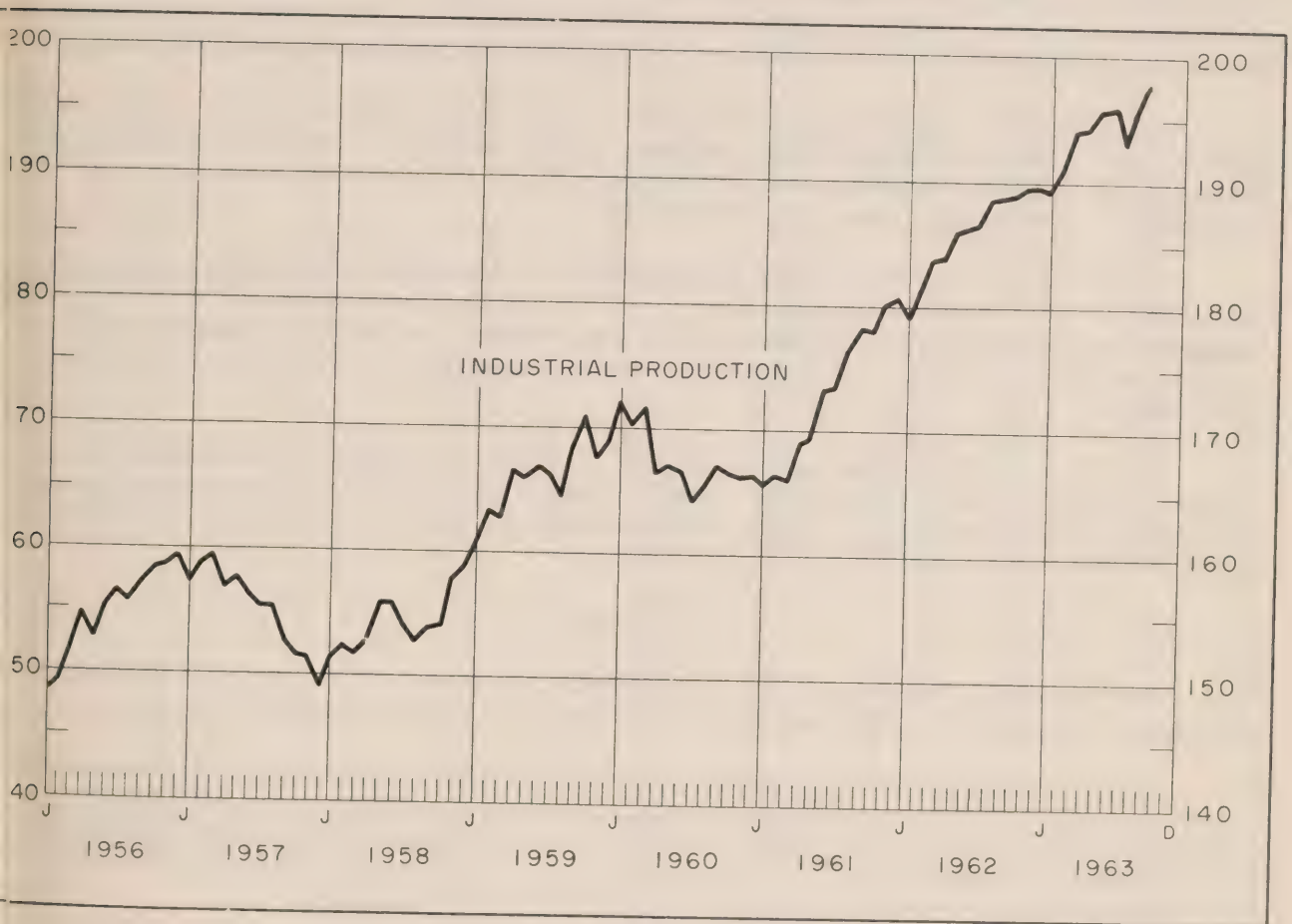
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

September 1963

The seasonally adjusted index of industrial
production advanced by 1.4% in September



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

September 1963
65-502

The seasonally adjusted index of industrial production advanced by 1.4% in September, to reach a new high, as all three major divisions of the index revealed strength; manufacturing was up by 1.1%, mining by 2.7% and electric power and gas utilities 1.9%.

In manufacturing, the strength emanated entirely from durables, where output advanced by almost two and one-half percent. Non-durables were unchanged in September. Gains were widespread and large in durables, with both wood products and iron and steel higher by 3%. Transportation equipment continued to show gains, led by the motor vehicles industries. Electrical apparatus and supplies were marginally higher in September, while non-metallic mineral products, reflecting an unusually large increase in concrete products, advanced by almost 7%. Non-ferrous metal products were virtually unchanged. Within the detail, good strength was exhibited in primary iron and steel (+ 8%) and veneers and plywood.

There were some rather large but offsetting movements in non-durables. Declines occurred in tobacco, chemicals, foods and beverages and rubber, the latter adversely affected by a labour dispute in the industry. On the other hand, products of petroleum and coal were considerably higher in the month, and lesser gains were recorded in paper products, printing and publishing and leather.

About 80% of the gain in mining came from metals where output advanced 6%, due largely to iron ore, although copper, gold, and zinc were also higher. Due to gains in both natural gas and crude petroleum, fuel mining also advanced in September. Non-metals were off almost 1%.

With figures for the first nine months of the year now available, it is possible to run a comparison against the same period last year and the following changes are indicated; total industrial production (+ 4.6%), mining (+ 2%), manufacturing (+ 4.9%), non-durables (+ 4%), durables (+ 6.1%), and utilities (+ 6.8%).

On a seasonally adjusted basis, the following changes from the second to third quarter of 1963 are shown; total industrial production (no change), mining (- 1.8%), manufacturing (- 0.1%), non-durables (+ 0.2%), durables (- 0.3%), and electric power and gas utilities (+ 3.4%).

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

* As long as supplies last, copies of this supplement can be obtained on request by writing to: Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Apr.	May	June	July	Aug.	Sept
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	194.3	195.7	195.9	192.8	195.1	197.9
Mining, TOTAL	10.07	2	302.1	297.5	298.3	286.0	293.8	301.8
Metals	5.97	2	212.5	207.5	196.1	180.4	188.5	199.4
Gold	1.93	5	93.1	100.2	101.0	93.7	97.7	100.0
Copper	1.10	4	179.3	171.8	176.0	167.2	173.5	189.4
Iron ore	0.31	3	900.5	755.7	630.0	567.5	567.4	698.3
Nickel	1.05	4	200.2	190.3	170.7	147.1	172.5	171.6
Non-metals	0.85	5	208.8	230.7	218.5	220.2	240.5	238.6
Asbestos	0.59	5	223.8	239.7	222.1	233.3	256.9	254.4
Fuels	2.84	3	499.6	489.9	521.8	511.7	520.2	522.9
Coal	1.72	6	53.7	56.9	53.7	50.4	55.7	51.1
Natural gas	0.11	2	1148.2	1193.4	1243.4	1316.2	1312.5	1349.9
Petroleum	1.02	3	1182.9	1145.7	1234.9	1204.2	1219.4	1230.9
MANUFACTURING, TOTAL	84.83	3	171.7	173.8	173.8	170.8	173.1	175.0
Non-durable manufactures	45.74	3	170.8	172.8	173.4	170.5	173.7	173.6
Food and beverages	11.83	4	163.6	163.3	165.0	157.9	163.3	162.5
Food	8.99	4	159.7	159.5	158.0	149.8	156.1	159.3
Meat products	1.62	4	156.5	164.5	162.9	156.5	161.7	165.9
Dairy products	1.40	3	162.9	159.4	163.6	161.5	162.8	164.2
Canning and processing	1.40	4	195.0	194.0	182.4	148.6	159.2	178.7
Grain mill products	1.00	4	138.1	138.5	145.3	128.4	136.4	142.2
Bakery products	1.73	3	139.1	142.1	138.3	144.1	145.8	144.0
Miscellaneous foods	1.83	4	164.5	156.7	156.2	152.8	164.3	158.5
Beverages	2.85	6	175.7	175.4	187.2	183.5	186.1	172.8
Carbonated beverages	0.72	6	193.2	177.9	196.9	174.8	186.3	169.4
Breweries	1.44	6	155.1	151.3	164.4	167.4	165.4	162.4
Distilleries	0.63	6	206.2	231.4	232.2	234.0	236.9	203.4
Tobacco and tobacco products ..	0.77	6	210.2	217.6	203.6	221.7	204.8	182.3
Rubber products	1.33	3	181.3	192.2	198.2	182.7	193.1	179.9
Leather products	1.58	2	122.5	126.8	129.3	119.1	126.1	126.8
Boots and shoes	0.95	4	129.3	135.3	136.2	127.0	136.5	137.9
Textiles	5.04	3	154.9	158.1	160.7	155.7	166.1	165.8
Cotton goods	1.57	4	104.6	102.3	114.2	114.2	119.0	114.9
Wool goods	0.93	3	72.3	100.1	101.5	93.1	89.6	89.4
Synthetic Textiles and Silk	1.33	3	283.6	278.0	272.7	260.5	294.8	295.6
Clothing	5.59	3	117.1	119.6	119.0	118.5	116.0	115.3
Men's, women's and children's clothing	3.45	4	114.6	115.3	113.8	110.8	111.6	113.2

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			Apr.	May	June	July	Aug.	Sept.
Paper products	8.22	3	160.3	165.2	162.7	162.1	166.9	167.7
Pulp and paper	6.54	3	159.4	164.8	162.1	161.8	167.5	167.6
Printing publishing and allied industries	3.95	4	156.7	156.1	158.5	155.8	158.2	162.2
Products of petroleum and coal	1.59	3	302.2	275.6	280.9	297.8	286.3	312.7
Petroleum products	1.41	3	326.9	297.0	303.3	321.7	308.7	338.6
Chemicals and allied products	4.22	2	244.1	252.6	252.3	250.3	251.5	246.2
Acids, alkalies, salts and fertilizers	1.07	2	310.6	307.4	304.9	308.4	306.2	303.1
Miscellaneous manufactures	1.62	1	246.2	250.4	250.5	248.9	247.6	247.0
DURABLE MANUFACTURES	39.09	3	172.8	174.9	174.3	171.2	172.4	176.6
Wood products	6.54	2	155.7	157.1	158.2	154.8	156.3	160.9
Saw and planing mills	4.48	3	167.3	169.6	171.7	167.2	169.7	172.7
Veneers and plywoods	0.38	3	340.9	334.5	336.9	334.3	338.6	376.9
Sawmills	3.08	4	157.0	161.8	165.6	159.0	162.0	161.7
Furniture	1.43	2	153.7	152.6	150.8	150.4	148.4	159.3
Iron and steel products	12.49	2	160.5	161.9	162.4	158.7	156.3	161.2
Machinery	2.64	1	157.8	159.7	160.7	161.5	159.6	158.8
Iron castings	1.20	3	168.4	165.2	165.9	154.7	148.2	141.2
Primary iron and steel	2.62	2	209.3	208.6	209.7	210.9	203.6	220.0
Sheet metal products	1.11	1	159.7	159.2	157.2	155.1	155.5	155.6
Transportation equipment	8.23	4	171.8	174.2	174.8	171.4	175.1	178.4
Aircraft and parts	0.63	1	224.6	229.4	227.3	224.7	228.1	231.4
Motor vehicles	3.21	4	239.2	242.8	245.8	241.3	252.4	253.8
Motor vehicle parts	1.43	2	169.6	173.0	173.2	167.6	164.4	181.4
Railway rolling stock	1.93	1	39.3	38.8	39.1	39.3	40.3	41.4
Shipbuilding and repairs	0.81	1	203.8	204.9	198.7	192.4	187.3	181.4
Non-ferrous metal products	4.97	3	150.9	150.6	149.4	145.9	151.4	151.4
Brass and copper products ...	0.75	1	129.0	131.2	133.2	136.2	137.2	136.4
Smelting and refining	3.19	3	165.7	164.9	162.4	155.4	164.3	164.4
Electrical apparatus and supplies	4.40	2	223.3	224.4	223.2	221.0	221.6	222.4
Heavy electrical machinery ..	1.52	1	155.3	154.3	153.8	153.3	152.0	150.4
Telecommunication equipment	0.44	3	561.1	549.1	546.4	527.9	537.8	547.4
Refrigerators and appliances	0.71	3	204.7	217.2	218.6	225.0	221.5	226.4
Non-metallic mineral products	2.46	2	237.7	250.6	238.6	240.1	242.5	259.4
Concrete products	0.30	4	630.0	683.1	610.8	593.9	604.7	745.4
Hydraulic cement	0.36	5	254.7	251.1	239.6	241.8	250.7	244.4
Domestic clay products	0.24	3	128.8	135.0	145.7	143.7	132.4	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	356.2	358.7	361.5	373.9	366.2	373.4
Electric power	4.60	2	331.1	329.8	329.8	341.5	334.6	340.4
Gas	0.51	3	581.0	618.1	646.0	664.3	649.8	663.4

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			July	Aug.	Sept.	July	Aug.	Sept.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	182.0	183.5	193.6	184.2	189.5	204.3
MINING, TOTAL	266.9	287.4	295.2	301.9	305.3	284.9	299.4	318.7
Metals	191.7	197.7	213.8	216.3	212.5	183.1	198.8	220.2
Gold	107.1	100.1	98.1	96.2	100.6	87.1	93.5	98.3
Copper	169.5	176.7	181.8	197.5	190.9	163.9	180.8	194.9
Iron ore	504.7	632.5	951.8	944.3	885.4	737.7	822.7	1034.2
Nickel	183.8	184.2	174.5	183.9	182.6	136.8	172.7	175.9
Non-metals	211.7	222.5	209.8	234.0	238.6	201.2	244.1	251.7
Asbestos	223.4	234.1	212.6	245.6	242.8	206.0	256.9	264.1
Fuels	430.7	480.8	458.8	467.2	490.2	490.1	495.1	514.2
Coal	49.9	48.8	45.8	30.5	48.1	44.1	32.3	53.8
Natural gas	712.0	1,005.7	829.0	866.4	936.4	976.6	984.4	1079.9
Petroleum	1,043.7	1,154.0	1116.6	1161.8	1188.9	1191.0	1224.3	1230.9
MANUFACTURING, TOTAL	153.0	164.9	162.3	162.3	173.5	164.4	168.5	182.7
NON-DURABLE MANUFACTURES	157.0	164.8	161.0	167.4	175.0	163.7	176.6	183.8
Food and beverages	154.2	158.9	173.1	176.5	178.4	167.6	183.6	183.1
Food	151.2	154.8	170.4	173.4	175.7	160.7	175.2	181.7
Meat products	158.1	159.2	145.5	150.6	160.6	148.5	154.9	171.4
Dairy products	158.3	159.3	186.1	177.8	178.7	190.7	182.8	180.6
Canning and processing	153.8	164.7	270.8	284.6	267.6	212.7	280.9	290.1
Grain mill products	138.6	137.5	138.9	134.2	141.1	126.0	136.2	144.7
Bakery products	149.2	145.4	151.9	150.0	149.7	150.5	149.9	148.0
Miscellaneous foods	146.4	158.3	138.2	148.4	160.1	137.2	151.7	160.7
Beverages	163.6	171.9	181.8	186.2	186.7	189.3	210.3	187.3
Carbonated beverages	165.6	173.0	221.6	210.4	200.2	230.7	239.9	183.0
Breweries	147.6	156.3	196.0	156.2	146.1	199.2	173.5	155.9
Distilleries	200.1	210.0	110.6	232.9	250.4	127.3	268.9	251.4
Tobacco and tobacco products ..	193.6	203.7	157.5	201.7	216.2	169.8	204.2	192.3
Rubber products	145.7	167.6	147.9	125.9	196.1	155.3	150.6	200.0
Leather products	123.8	126.7	93.6	128.2	139.2	83.2	127.4	132.6
Boots and shoes	134.3	137.7	96.9	142.4	142.5	88.5	140.1	144.1
Textiles	134.6	146.6	120.0	134.3	154.3	119.6	154.2	171.0
Cotton goods	98.8	105.3	72.3	93.0	110.3	70.8	109.4	120.2
Wool goods	80.3	84.9	73.3	53.1	99.8	72.6	93.4	97.4
Synthetic textiles and silk	219.5	243.6	188.8	212.7	251.0	120.2	262.0	301.2
Other	107.1	111.0	107.0	112.9	115.8	111.7	115.7	121.7
Men's, women's and children's clothing	110.3	111.0	107.8	112.1	117.5	107.6	112.6	119.6

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	July	Aug.	Sept.	July	Aug.	Sept.
Paper products	153.4	159.1	157.0	162.1	164.8	159.7	168.8	172.1
Pulp and paper	153.1	158.6	153.0	159.7	163.9	156.0	166.8	171.1
Printing publishing and allied industries	148.2	154.0	147.6	147.5	154.8	147.3	150.4	164.1
Products of petroleum and coal	258.8	272.8	254.2	285.2	286.6	297.8	302.9	327.1
Petroleum products	279.0	294.3	272.8	307.0	309.4	321.7	327.5	354.1
Chemicals and allied products	222.1	233.2	233.7	231.1	235.1	245.7	250.3	254.1
Acids, alkalies, salts and fertilizers	257.2	266.0	281.0	264.1	249.0	309.9	304.1	301.1
Miscellaneous manufactures	213.0	237.2	235.7	241.4	249.9	245.4	248.3	256.1
DURABLE MANUFACTURES	148.4	165.0	163.8	156.4	171.7	165.1	159.1	181.1
Wood products	139.6	151.5	159.0	161.7	167.5	164.0	166.8	171.1
Saw and planing mills	146.7	161.1	170.6	173.5	180.3	179.5	182.8	181.1
Veneers and plywoods	295.4	329.8	312.7	293.7	359.6	301.2	320.7	391.1
Sawmills	134.1	149.6	160.5	166.8	169.1	177.1	178.2	171.1
Furniture	143.6	152.5	153.4	157.6	163.9	150.9	153.4	171.1
Iron and steel products	139.4	152.1	150.8	158.9	165.9	154.4	160.3	171.1
Machinery	133.4	149.1	147.9	151.4	158.0	162.1	161.0	161.1
Iron castings	144.3	135.5	129.5	136.2	163.2	120.7	140.8	141.1
Primary iron and steel	174.0	193.0	194.5	206.9	200.3	208.2	211.1	221.1
Sheet metal products	141.0	157.3	174.9	179.0	179.0	168.8	169.5	171.1
Transportation equipment	129.8	156.7	141.9	85.1	138.6	142.4	88.9	151.1
Aircraft and parts	269.5	260.0	256.6	252.4	253.2	220.2	222.6	221.1
Motor vehicles	157.3	206.9	175.9	26.0	159.2	170.1	36.6	151.1
Motor vehicle parts	121.3	146.6	126.5	140.4	146.6	157.5	154.9	171.1
Railway rolling stock	42.9	41.5	42.2	41.7	42.2	40.8	41.3	171.1
Shipbuilding and repairs	145.2	186.9	195.3	193.3	196.4	199.1	187.9	171.1
Non-ferrous metal products	147.6	148.9	147.4	148.8	147.4	140.1	150.0	171.1
Brass and copper products ...	122.2	126.9	128.8	130.2	129.4	137.7	140.9	171.1
Smelting and refining	165.6	164.2	160.4	162.0	159.9	146.5	161.0	171.1
Electrical apparatus and supplies	182.6	212.9	199.8	213.1	227.5	207.4	218.0	271.1
Heavy electrical machinery ..	132.0	149.8	152.6	152.8	157.5	156.1	153.8	171.1
Telecommunication equipment	428.9	524.1	417.5	518.1	555.3	428.1	537.8	671.1
Refrigerators and appliances	171.3	198.4	171.2	183.4	220.6	198.9	190.5	271.1
Non-metallic mineral products	220.2	240.9	284.5	282.3	272.5	273.1	279.4	271.1
Concrete products	574.1	655.0	849.9	899.0	793.2	760.2	787.9	571.1
Hydraulic cement	214.6	241.9	318.8	306.1	324.5	321.9	329.2	271.1
Domestic clay products	146.2	148.1	163.9	162.1	170.2	153.1	145.6	271.1
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	286.3	301.8	308.0	314.6	321.8	271.1
Electric power	298.5	313.1	280.8	296.1	297.5	308.0	315.5	271.1
Gas	490.6	558.3	335.9	353.4	402.1	374.0	378.2	271.1

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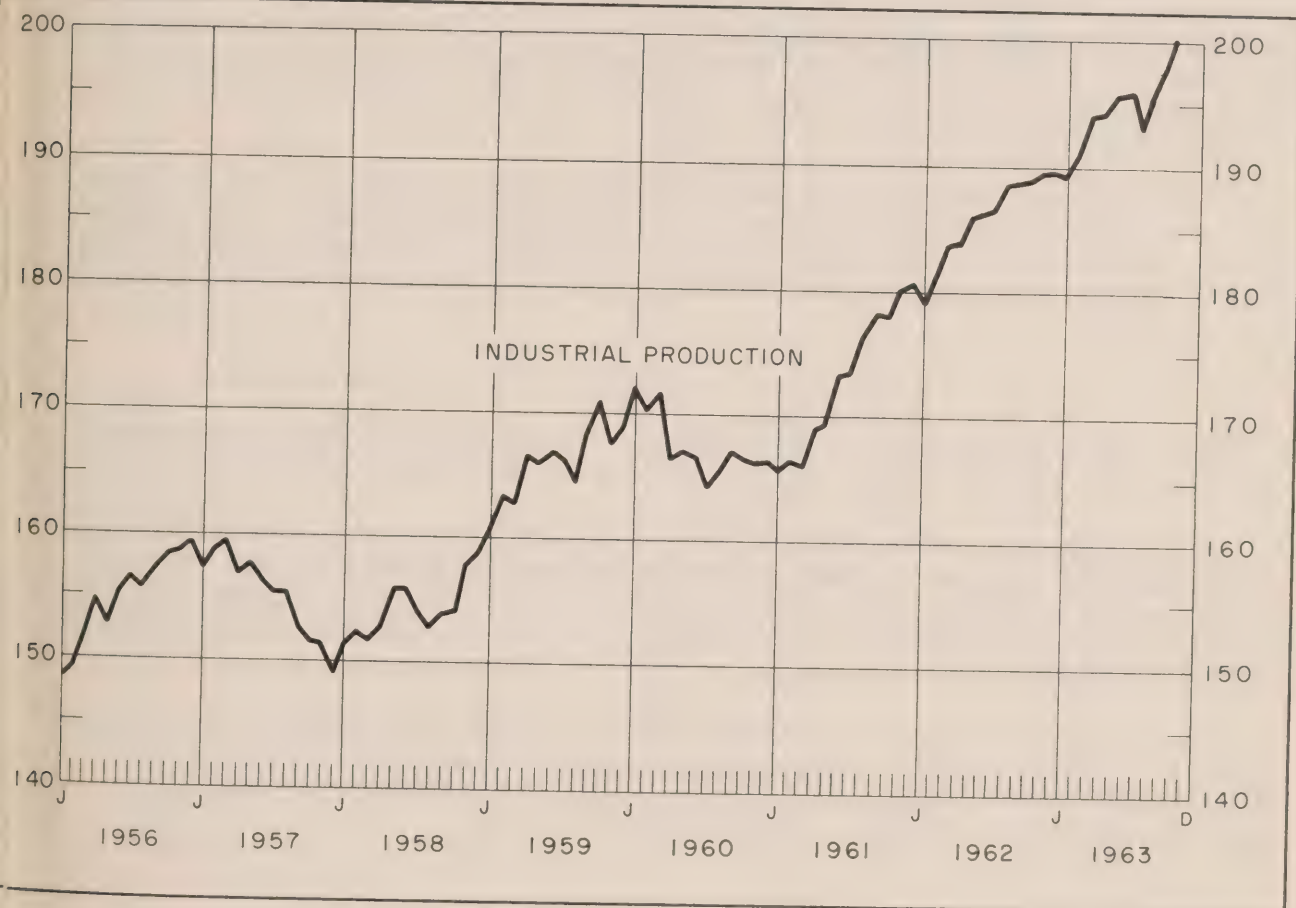
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

October 1963

The seasonally adjusted index of industrial production advanced by 1.2% in October



Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

December 1963
65-502

The seasonally adjusted index of industrial production in October gained a further 1.2%, reaching a record level of 200.1. Thus, industrial production has doubled since 1949. Manufacturing was up by one and one-half percent in October, while electric power and gas utilities gained about 1%. Mining output in the month was virtually unchanged.

Within manufacturing, durables advanced by about 2%, with about three quarters of this strength originating in transportation equipment, the great bulk of which was due to the motor vehicle industries. Gains of about two and one-half percent occurred in both wood products and iron and steel, the former reflecting considerably increased sawmills output, with the latter due to increases in almost all components, particularly primary iron and steel and iron castings. Non-metallic mineral products dropped almost 6% in October to return to the level prevailing immediately prior to the big September increase. Concrete products accounted for most of this drop. Elsewhere, non-ferrous metal products and electrical apparatus and supplies were marginally lower.

The slightly more than 1% gain in non-durables was the result of fairly widespread increases in its major components. Foods and beverages, leather products and textiles all experienced gains of about 2%, while, elsewhere chemical were higher by 1%, rubber by 3%, clothing by 4%, and tobacco products by 8%. Small declines of about 1% occurred in printing and petroleum products. Paper products remained unchanged.

Mining stayed at the high level attained in September as a 3% decline in metals and a small drop in non-metals offset a 3% gain in fuels. The latter was due to an almost 5% increase in crude petroleum. The major source of the drop in metals was the iron ore industry, while copper and nickel continued to show strength.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive, and the regular monthly reports thereafter.

3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

* As long as supplies last, copies of this supplement can be obtained on request by writing to: Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes
(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1963					
			May	June	July	Aug.	Sept.	Oct.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	195.7	195.9	192.8	195.1	197.8	200.1
MINING, TOTAL	10.07	2	297.5	298.3	286.0	292.1	302.5	302.3
Metals	5.97	2	207.5	196.1	180.4	188.5	199.4	193.3
Gold	1.93	5	100.2	101.0	93.7	97.7	100.0	95.8
Copper	1.10	4	171.8	176.0	167.2	173.5	189.4	196.0
Iron ore	0.31	3	755.7	630.0	567.5	567.4	698.3	605.5
Nickel	1.05	4	190.3	170.7	147.1	172.5	171.6	176.6
Non-metals	0.85	5	230.7	218.5	220.2	240.5	238.6	235.8
Asbestos	0.59	5	239.7	222.1	233.3	256.9	254.4	245.9
Fuels	2.84	3	489.9	521.8	511.7	514.0	522.1	537.8
Coal	1.72	6	56.9	53.7	50.4	55.7	51.1	45.8
Natural gas	0.11	2	1193.4	1243.4	1316.2	1312.5	1335.6	1280.6
Petroleum	1.02	3	1145.7	1234.9	1204.2	1202.1	1230.0	1289.0
MANUFACTURING, TOTAL	84.83	3	173.8	173.8	170.8	173.3	174.8	177.4
NON-DURABLE MANUFACTURES	45.74	3	172.8	173.4	170.5	173.9	173.3	175.2
Foods and beverages	11.83	4	163.3	165.0	157.9	163.5	161.7	164.6
Foods	8.99	4	159.5	158.0	149.8	156.4	158.1	162.1
Meat products	1.62	4	164.5	162.9	156.5	161.7	165.9	164.6
Dairy products	1.40	3	159.4	163.6	161.5	162.8	164.6	161.0
Canning and processing	1.40	4	194.0	182.4	148.6	160.3	168.6	189.8
Grain mill products	1.00	4	138.5	145.3	128.4	136.4	142.5	146.9
Bakery products	1.73	3	142.1	138.3	144.1	146.3	144.2	144.5
Miscellaneous foods	1.83	4	156.7	156.2	152.8	164.2	160.0	164.6
Beverages	2.85	6	175.4	187.2	183.5	186.1	172.9	172.4
Carbonated beverages	0.72	6	177.9	196.9	174.8	186.3	169.4	177.4
Breweries	1.44	6	151.3	164.4	167.4	165.4	162.4	151.6
Distilleries	0.63	6	231.4	232.2	234.0	236.9	203.4	221.9
Tobacco and tobacco products ..	0.77	6	217.6	203.6	221.7	204.8	182.3	196.2
Rubber products	1.33	3	192.2	198.2	182.7	193.1	179.9	185.9
Leather products	1.58	2	126.8	129.3	119.1	126.6	126.5	128.4
Boots and shoes	0.95	4	135.3	136.2	127.0	136.5	137.9	140.8
Textiles	5.04	3	158.1	160.7	155.7	166.2	165.5	167.9
Cotton goods	1.57	4	102.3	114.2	114.2	119.0	114.9	114.8
Wool goods	0.93	3	100.1	101.5	93.1	89.6	89.4	99.0
Synthetic Textiles and Silk	1.33	3	278.0	272.7	260.5	294.8	295.7	298.6
Clothing	5.59	3	119.6	119.0	118.5	116.2	114.2	118.5
Men's, women's and children's clothing	3.45	4	115.3	113.8	110.8	112.0	112.2	118.0

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			May	June	July	Aug.	Sept.	Oct.
Paper products	8.22	3	165.2	162.7	162.1	167.0	167.9	167.8
Pulp and paper	6.54	3	164.8	162.1	161.8	167.5	167.6	167.8
Printing publishing and allied industries	3.95	4	156.1	158.5	155.8	157.9	161.5	159.8
Products of petroleum and coal	1.59	3	275.6	280.9	297.8	286.3	312.7	308.2
Petroleum products	1.41	3	297.0	303.3	321.7	308.7	338.6	333.4
Chemicals and allied products	4.22	2	252.6	252.3	250.3	251.7	246.6	249.5
Acids, alkalies, salts and fertilizers	1.07	2	307.4	304.9	308.4	306.2	306.4	304.1
Miscellaneous manufactures	1.62	1	250.4	250.5	248.9	249.0	249.1	248.8
DURABLE MANUFACTURES	39.09	3	174.9	174.3	171.2	172.6	176.5	179.9
Wood products	6.54	2	157.1	158.2	154.8	157.0	159.4	163.3
Saw and planing mills	4.48	3	169.6	171.7	167.2	169.7	172.7	178.5
Veneers and plywoods	0.38	3	334.5	336.9	334.3	338.6	376.9	377.4
Sawmills	3.08	4	161.8	165.6	159.0	162.0	161.7	170.2
Furniture	1.43	2	152.6	150.8	150.4	151.9	152.3	152.0
Iron and steel products	12.49	2	161.9	162.4	158.7	156.3	160.7	164.7
Machinery	2.64	1	159.7	160.7	161.5	159.4	158.7	160.4
Iron castings	1.20	3	165.2	165.9	154.7	148.2	141.3	151.0
Primary iron and steel	2.62	2	208.6	209.7	210.9	203.6	220.0	225.7
Sheet metal products	1.11	1	159.2	157.2	155.1	155.5	152.4	149.0
Transportation equipment	8.23	4	174.2	174.8	171.4	175.1	179.8	191.0
Aircraft and parts	0.63	1	229.4	227.3	224.7	228.1	234.5	237.0
Motor vehicles	3.21	4	242.8	245.8	241.3	252.4	253.9	276.0
Motor vehicle parts	1.43	2	173.0	173.2	167.6	164.6	181.6	193.0
Railway rolling stock	1.93	1	38.8	39.1	39.3	40.3	41.8	42.0
Shipbuilding and repairs	0.81	1	204.9	198.7	192.4	186.8	189.3	199.0
Non-ferrous metal products	4.97	3	150.6	149.4	145.9	151.6	151.7	151.0
Brass and copper products ...	0.75	1	131.2	133.2	136.2	137.2	135.8	135.0
Smelting and refining	3.19	3	164.9	162.4	155.4	164.3	164.9	165.0
Electrical apparatus and supplies	4.40	2	224.4	223.2	221.0	221.8	223.5	222.0
Heavy electrical machinery ..	1.52	1	154.3	153.8	153.3	152.0	150.5	149.0
Telecommunication equipment	0.44	3	549.1	546.4	527.9	538.4	557.5	553.0
Refrigerators and appliances	0.71	3	217.2	218.6	225.0	222.9	228.2	223.0
Non-metallic mineral products	2.46	2	250.6	238.6	240.1	242.5	257.3	242.0
Concrete products	0.30	4	683.1	610.8	593.9	604.7	745.4	637.0
Hydraulic cement	0.36	5	251.1	239.6	241.8	250.7	244.9	264.0
Domestic clay products	0.24	3	135.0	145.7	143.7	132.4		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	358.7	361.5	373.9	366.2	373.1	376.0
Electric power	4.60	2	329.8	329.8	341.5	334.6	340.7	345.0
Gas	0.51	3	618.1	646.0	664.3	649.8	663.6	620.0

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	183.5	193.6	195.4	189.5	204.3	206.2
MINING, TOTAL	266.9	287.4	301.9	305.3	300.1	297.7	320.6	310.6
Metals	191.7	197.7	216.3	212.5	204.3	198.8	220.2	206.5
Gold	107.1	100.1	96.2	100.6	100.1	93.5	98.3	97.0
Copper	169.5	176.7	197.5	190.9	174.7	180.8	194.9	191.3
Iron ore	504.7	632.5	944.3	885.4	804.3	822.7	1034.2	807.1
Nickel	183.8	184.2	183.9	182.6	153.2	172.7	175.9	176.6
Non-metals	211.7	222.5	234.0	238.6	246.1	244.1	251.7	256.4
Asbestos	223.4	234.1	245.6	242.8	252.4	256.9	264.1	264.3
Fuels	430.7	480.8	467.2	490.2	485.0	488.9	514.0	513.2
Coal	49.9	48.8	30.5	48.1	59.4	32.3	53.8	58.4
Natural gas	712.0	1,005.7	866.4	936.4	1020.2	984.4	1084.5	1160.2
Petroleum	1,043.7	1,154.0	1161.8	1188.9	1146.4	1206.9	1230.0	1211.7
MANUFACTURING, TOTAL	153.0	164.9	162.3	173.5	175.2	168.7	182.4	184.6
NON-DURABLE MANUFACTURES	157.0	164.8	167.4	175.0	174.6	176.8	183.2	184.5
Food and beverages	154.2	158.9	176.5	178.4	175.7	183.9	181.2	184.4
Food products	151.2	154.8	173.4	175.7	175.7	175.6	179.1	184.1
Meat products	158.1	159.2	150.6	160.6	169.1	154.9	171.4	178.6
Dairy products	158.3	159.3	177.8	178.7	152.5	182.8	181.1	159.4
Canning and processing	153.8	164.7	284.6	267.6	245.5	282.7	270.7	272.1
Grain mill products	138.6	137.5	134.2	141.1	138.7	136.2	145.0	152.4
Bakery products	149.2	145.4	150.0	149.7	151.6	150.5	148.2	148.7
Miscellaneous foods	146.4	158.3	148.4	160.1	188.6	151.6	162.2	191.1
Beverages	163.6	171.9	186.2	186.7	175.9	210.3	187.6	185.4
Carbonated beverages	165.6	173.0	210.4	200.2	132.8	239.9	183.0	150.8
Breweries	147.6	156.3	156.2	146.1	146.2	173.5	155.9	146.3
Distilleries	200.1	210.0	232.9	250.4	293.9	268.9	251.4	315.5
Tobacco and tobacco products ..	193.6	203.7	201.7	216.2	212.4	204.2	192.3	205.4
Rubber products	145.7	167.6	125.9	196.1	186.9	150.6	200.0	201.1
Leather products	123.8	126.7	128.2	130.2	126.4	127.9	132.4	129.8
Boots and shoes	134.3	137.7	142.4	142.5	132.4	140.1	144.1	138.5
Textiles	134.6	146.6	134.8	154.3	155.5	154.4	170.8	173.1
Cotton goods	98.8	105.3	93.0	110.3	114.1	109.4	120.9	124.0
Wool goods	80.3	84.9	83.1	99.8	93.4	90.4	97.4	106.1
Synthetic textiles and silk	219.5	243.6	213.7	251.8	253.1	263.0	301.9	298.9
Clothing	107.1	111.0	112.9	118.8	115.5	115.9	120.6	120.0
Men's, women's and children's clothing	110.3	111.0	112.1	117.5	113.1	113.0	118.6	117.3

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
Paper products	153.4	159.1	162.1	164.8	167.1	168.9	172.3	175.
Pulp and paper	153.1	158.6	159.7	163.9	167.1	166.8	171.0	175.
Printing publishing and allied industries	148.2	154.0	147.5	154.8	160.1	149.9	164.2	167.
Products of petroleum and coal	258.8	272.8	285.2	286.6	291.9	302.9	327.1	306.
Petroleum products	279.0	294.3	307.0	309.4	315.8	327.5	354.9	331
Chemicals and allied products	222.1	233.2	231.1	235.1	232.7	250.4	255.0	252
Acids, alkalies, salts and fertilizers	257.2	266.0	264.1	249.0	253.1	304.1	305.2	301
Miscellaneous manufactures	213.0	237.2	241.4	249.9	255.4	249.7	258.3	263
DURABLE MANUFACTURES	148.4	165.0	156.4	171.7	175.8	159.3	181.4	184
Wood products	139.6	151.5	161.7	167.5	153.6	167.7	171.0	161
Saw and planing mills	146.7	161.1	173.5	180.3	160.1	182.8	185.6	172
Veneers and plywoods	295.4	329.8	293.7	359.6	337.5	320.7	395.7	384
Sawmills	134.1	149.6	166.8	169.1	143.8	178.2	173.2	156
Furniture	143.6	152.5	157.6	163.9	164.7	157.1	163.3	162
Iron and steel products	139.4	152.1	158.9	165.9	160.9	160.2	170.1	165
Machinery	133.4	149.1	151.4	158.0	161.5	160.8	162.8	164
Iron castings	144.3	135.5	136.2	163.2	136.6	140.8	148.4	141
Primary iron and steel	174.0	193.0	206.9	200.3	192.8	211.1	228.4	221
Sheet metal products	141.0	157.3	179.0	179.0	169.4	169.5	166.9	157
Transportation equipment	129.8	156.7	85.1	138.6	165.7	88.9	157.6	18
Aircraft and parts	269.5	260.0	252.4	253.2	245.8	222.6	234.0	23
Motor vehicles	157.3	206.9	26.0	159.2	225.2	36.6	199.6	26
Motor vehicle parts	121.3	146.6	140.4	146.6	157.3	155.1	178.0	18
Railway rolling stock	42.9	41.5	41.7	42.2	41.8	41.3	42.6	4
Shipbuilding and repairs	145.2	186.9	193.3	196.4	197.1	187.4	187.4	19
Non-ferrous metal products	147.6	148.9	148.8	147.4	145.9	150.3	152.3	15
Brass and copper products ...	122.2	126.9	130.2	129.4	126.8	140.9	140.8	12
Smelting and refining	165.6	164.2	162.0	159.9	157.3	161.0	163.3	16
Electrical apparatus and supplies	182.6	212.9	213.1	227.5	238.4	218.1	240.8	24
Heavy electrical machinery ..	132.0	149.8	152.8	157.5	160.4	153.8	154.9	14
Telecommunication equipment	428.9	524.1	518.4	555.3	674.9	538.4	652.3	61
Refrigerators and appliances	171.3	198.4	183.4	220.6	208.8	191.7	241.4	2
Non-metallic mineral products	220.2	240.9	282.3	272.5	292.8	279.4	298.1	2
Concrete products	574.1	655.0	899.0	793.2	976.9	787.9	954.1	8
Hydraulic cement	214.6	241.9	306.1	324.5	298.0	329.2	318.4	3
Domestic clay products	146.2	148.1	162.1	170.2	162.2	145.6		
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	301.8	308.0	324.4	321.8	338.1	3
Electric power	298.5	313.1	296.1	297.5	309.6	315.5	327.4	3
Gas	490.6	558.3	353.4	402.1	457.6	378.2	434.0	4

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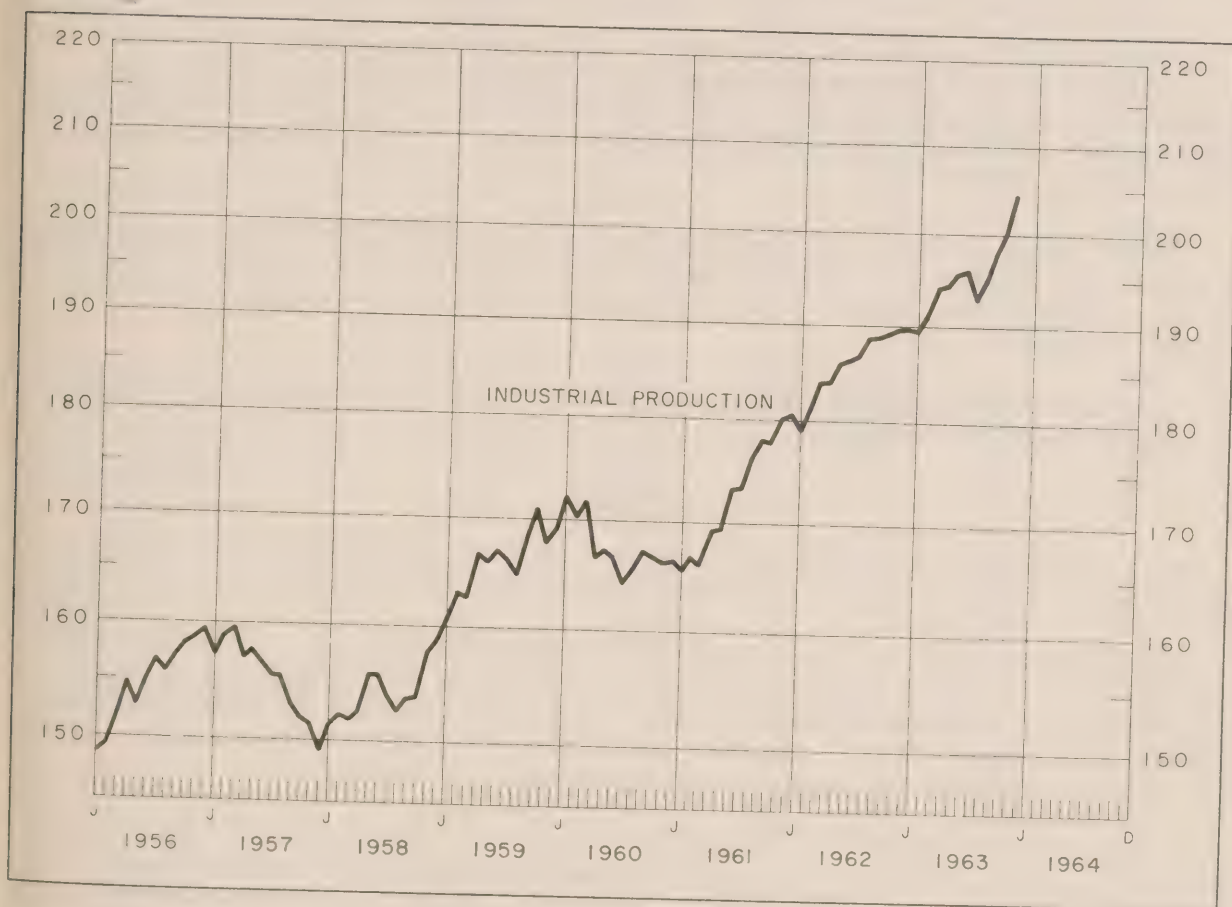
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

NOVEMBER 1963

The seasonally adjusted index of industrial production advanced by 1.9% in November



Industrial Output Section
National Accounts and Balance of Payments Division

January 1964
65-502

The seasonally adjusted index of industrial production in November showed its largest month-to-month gain in the year to date, advancing 1.9% to 204.2. This was the fourth consecutive sizeable advance for the total index since the setback in July. All three major divisions contributed to this latest monthly gain with mining up by 2.1%, manufacturing by 1.7% and electric power and gas utilities by 3.8%. Of all the month to month increases that have been recorded since the current expansion began in early 1961 the 1.9% gain in the total index in November was the largest since one that occurred in June 1961.

More than 75% of the strength in manufacturing originated in durables, where a gain of 2.7% was recorded, the fourth consecutive advance for this component. The largest single contribution to the November increase was transportation equipment, with motor vehicles higher by about 9%. Iron and steel products also showed good strength in November, led by primary iron and steel production (up 7%) with iron castings also partially responsible. Wood products gained more than 2% with sawmills and veneer and plywood contributing about equally. With telecommunication equipment and appliances mostly responsible, electrical apparatus and supplies advanced almost 4%. Non-metallic mineral products also increased more than 1%, while non-ferrous metal products declined by 2%.

Non-durables output was up by about 1% in November as most components moved higher. The following movements occurred: foods and beverages (+1%), paper products (+2%), leather products (+3%), chemicals and rubber products (+4%) and tobacco (+5%). Losses of 2% were recorded in both printing and petroleum products while textiles dropped 3%.

About three quarters of the gain in mining was due to metals, which in turn was solely the result of a substantial increase in iron ore. Fuels and non-metals were also higher, the former due to crude petroleum, the latter the result of an asbestos increase.

The utilities increase was almost entirely due to considerably higher output of central electric stations.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive and the regular monthly reports thereafter.

3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

* Copies of this supplement may be obtained by writing to: Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			June	July	Aug.	Sept.	Oct.	Nov.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	195.9	192.8	195.1	197.7	200.3	204.2
MINING, TOTAL	10.07	2	298.3	286.0	292.1	302.5	304.1	310.6
Metals	5.97	2	196.1	180.4	188.5	199.4	195.5	202.8
Gold	1.93	5	101.0	93.7	97.7	100.0	95.8	94.1
Copper	1.10	4	176.0	167.2	173.5	189.4	196.0	184.0
Iron ore	0.31	3	630.0	567.5	567.4	698.3	620.8	780.4
Nickel	1.05	4	170.7	147.1	172.5	171.6	176.6	170.9
Non-metals	0.85	5	218.5	220.2	240.5	238.6	235.8	244.5
Asbestos	0.59	5	222.1	233.3	256.9	254.4	245.9	257.7
Fuels	2.84	3	521.8	511.7	514.0	522.1	537.4	541.5
Coal	1.72	6	53.7	50.4	55.7	51.1	45.8	
Natural gas	0.11	2	1243.4	1316.2	1312.5	1335.6	1269.6	1255.8
Petroleum	1.02	3	1234.9	1204.2	1202.1	1230.0	1289.0	1303.3
MANUFACTURING, TOTAL	84.83	3	173.8	170.8	173.3	174.7	177.4	180.4
NON-DURABLE MANUFACTURES	45.74	3	173.4	170.5	173.9	173.3	175.1	176.5
Foods and beverages	11.83	4	165.0	157.9	163.5	161.4	165.0	167.1
Foods	8.99	4	158.0	149.8	156.4	157.8	162.4	161.8
Meat products	1.62	4	162.9	156.5	161.7	165.9	164.6	168.9
Dairy products	1.40	3	163.6	161.5	162.8	164.6	161.4	162.4
Canning and processing	1.40	4	182.4	148.6	160.3	168.5	192.2	179.4
Grain mill products	1.00	4	145.3	128.4	136.4	142.5	146.5	150.8
Bakery products	1.73	3	138.3	144.1	146.3	144.2	144.4	144.3
Miscellaneous foods	1.83	4	156.2	152.8	164.2	158.4	164.2	164.0
Beverages	2.85	6	187.2	183.5	186.1	172.9	173.1	184.0
Carbonated beverages	0.72	6	196.9	174.8	186.3	169.4	177.4	200.9
Breweries	1.44	6	164.4	167.4	165.4	162.4	151.6	163.7
Distilleries	0.63	6	232.2	234.0	236.9	203.4	221.9	214.3
Tobacco and tobacco products ..	0.77	6	203.6	221.7	204.8	182.3	196.2	206.4
Rubber products	1.33	3	198.2	182.7	193.1	179.9	185.9	192.5
Leather products	1.58	2	129.3	119.1	126.6	126.6	128.5	132.0
Boots and shoes	0.95	4	136.2	127.0	136.5	137.9	140.8	145.7
Textiles	5.04	3	160.7	155.7	166.2	165.7	168.1	162.4
Cotton goods	1.57	4	114.2	114.2	119.0	114.9	114.8	112.5
Wool goods	0.93	3	101.5	93.1	89.6	89.4	99.0	89.1
Synthetic Textiles and Silk	1.33	3	272.7	260.5	294.8	295.7	298.6	286.3
Clothing	5.59	3	119.0	118.5	116.2	114.4	119.4	119.7
Men's, women's and children's clothing	3.45	4	113.8	110.8	112.0	112.3	118.8	119.8

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			June	July	Aug.	Sept.	Oct.	Nov.
Paper products	8.22	3	162.7	162.1	167.0	167.9	165.3	168.6
Pulp and paper	6.54	3	162.1	161.8	167.5	167.6	164.7	168.9
Printing publishing and allied industries	3.95	4	158.5	155.8	157.9	161.5	159.6	155.9
Products of petroleum and coal	1.59	3	280.9	297.8	286.3	312.7	308.2	302.9
Petroleum products	1.41	3	303.3	321.7	308.7	338.6	333.4	327.5
Chemicals and allied products	4.22	2	252.3	250.3	251.7	246.8	251.4	261.3
Acids, alkalies, salts and fertilizers	1.07	2	304.9	308.4	306.2	306.4	309.3	317.1
Miscellaneous manufactures	1.62	1	250.5	248.9	249.0	249.3	248.3	246.6
DURABLE MANUFACTURES	39.09	3	174.3	171.2	172.6	176.5	180.0	184.9
Wood products	6.54	2	158.2	154.8	157.0	159.4	163.5	167.1
Saw and planing mills	4.48	3	171.7	167.2	169.7	172.7	178.8	184.1
Veneers and plywoods	0.38	3	336.9	334.3	338.6	376.9	377.4	404.1
Sawmills	3.08	4	165.6	159.0	162.0	161.7	170.2	173.1
Furniture	1.43	2	150.8	150.4	151.9	152.3	152.2	151.1
Iron and steel products	12.49	2	162.4	158.7	156.3	160.6	164.7	168.1
Machinery	2.64	1	160.7	161.5	159.4	158.2	160.6	162.1
Iron castings	1.20	3	165.9	154.7	148.2	141.3	151.0	157.1
Primary iron and steel	2.62	2	209.7	210.9	203.6	220.0	225.2	240.1
Sheet metal products	1.11	1	157.2	155.1	155.5	152.5	150.7	152.1
Transportation equipment	8.23	4	174.8	171.4	175.1	179.7	192.8	203.1
Aircraft and parts	0.63	1	227.3	224.7	228.1	234.3	245.3	258.1
Motor vehicles	3.21	4	245.8	241.3	252.4	253.9	276.0	299.1
Motor vehicle parts	1.43	2	173.2	167.6	164.6	181.6	193.7	198.1
Railway rolling stock	1.93	1	39.1	39.3	40.3	41.8	43.4	44.1
Shipbuilding and repairs	0.81	1	198.7	192.4	186.8	189.4	198.8	193.1
Non-ferrous metal products	4.97	3	149.4	145.9	151.6	151.7	151.0	148.1
Brass and copper products ...	0.75	1	133.2	136.2	137.2	135.8	135.4	136.1
Smelting and refining	3.19	3	162.4	155.4	164.3	164.9	165.1	160.1
Electrical apparatus and supplies	4.40	2	223.2	221.0	221.8	223.3	221.5	229.1
Heavy electrical machinery ..	1.52	1	153.8	153.3	152.0	150.1	149.0	150.1
Telecommunication equipment	0.44	3	546.4	527.9	538.4	557.5	553.3	595.1
Refrigerators and appliances	0.71	3	218.6	225.0	222.9	225.8	219.5	238.1
Non-metallic mineral products	2.46	2	238.6	240.1	242.5	257.6	242.5	241.1
Concrete products	0.30	4	610.8	593.9	604.7	745.4	637.4	681.1
Hydraulic cement	0.36	5	239.6	241.8	250.7	244.9	264.6	241.1
Domestic clay products	0.24	3	145.7	143.7	132.4	145.1	138.5	138.1
ELECTRIC POWER AND GAS UTILITIES	5.11	2	361.5	373.9	366.2	373.1	376.6	391.1
Electric power	4.60	2	329.8	341.5	334.6	340.7	349.4	361.1
Gas	0.51	3	646.0	664.3	649.8	663.6	620.4	621.1

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
	1961	1962	1962			1963		
			Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	193.6	195.4	194.2	204.2	206.4	210.7
MINING, TOTAL	266.9	287.4	305.3	300.1	288.5	320.6	312.2	309.1
Metals	191.7	197.7	212.5	204.3	190.5	220.2	208.0	202.0
Gold	107.1	100.1	100.6	100.1	99.9	98.3	97.0	96.5
Copper	169.5	176.7	190.9	174.7	193.7	194.9	191.3	197.4
Iron ore	504.7	632.5	885.4	804.3	448.0	1034.2	807.1	663.3
Nickel	183.8	184.2	182.6	153.2	197.1	175.9	176.6	170.9
Non-metals	211.7	222.5	238.6	246.1	233.9	251.7	256.4	274.4
Asbestos	223.4	234.1	242.8	252.4	243.0	264.1	264.3	288.6
Fuels	430.7	480.8	490.2	485.0	483.7	514.0	512.8	523.9
Coal	49.9	48.8	48.1	59.4	59.3	53.8	58.4	
Natural gas	712.0	1,005.7	936.4	1020.2	1122.4	1084.5	1150.3	1314.8
Petroleum	1,043.7	1,154.0	1188.9	1146.4	1131.9	1230.0	1211.7	1225.1
MANUFACTURING, TOTAL	153.0	164.9	173.5	175.2	173.7	182.3	184.6	187.2
NON-DURABLE MANUFACTURES	157.0	164.8	175.0	174.6	173.1	183.2	184.6	184.0
Foods and beverages	154.2	158.9	178.4	175.7	168.8	180.9	185.2	179.6
Foods	151.2	154.8	175.7	175.7	162.7	178.7	184.7	171.1
Meat products	158.1	159.2	160.6	169.1	178.8	171.4	178.6	190.3
Dairy products	158.3	159.3	178.7	152.5	141.2	181.1	159.8	143.7
Canning and processing	153.8	164.7	267.6	245.5	168.3	270.4	276.6	194.1
Grain mill products	138.6	137.5	141.1	138.7	140.8	145.0	152.0	161.2
Bakery products	149.2	145.4	149.7	151.6	148.5	148.2	148.6	146.1
Miscellaneous foods	146.4	158.3	160.1	188.6	186.1	160.5	190.8	186.5
Beverages	163.6	171.9	186.7	175.9	188.0	187.6	186.6	206.4
Carbonated beverages	165.6	173.0	200.2	132.8	163.1	183.0	150.8	181.4
Breweries	147.6	156.3	146.1	146.2	157.1	155.9	146.3	170.2
Distilleries	200.1	210.0	250.4	293.9	290.9	251.4	315.5	323.6
Tobacco and tobacco products ..	193.6	203.7	216.2	212.4	220.3	192.3	205.4	219.4
Rubber products	145.7	167.6	196.1	186.9	195.5	200.0	201.1	211.4
Leather products	123.8	126.7	130.2	126.4	130.0	132.5	129.8	134.8
Boots and shoes	134.3	137.7	142.5	132.4	137.2	144.1	138.5	144.2
Textiles	134.6	146.6	154.3	155.5	159.3	170.9	173.3	171.2
Cotton goods	98.8	105.3	110.3	114.1	109.7	120.9	124.0	121.0
Wool goods	80.3	84.9	99.8	93.4	89.6	97.4	106.1	98.9
Synthetic textiles and silk	219.5	243.6	251.8	253.1	274.2	301.9	298.9	298.6
Clothing	107.1	111.0	118.8	115.5	113.8	120.8	121.0	119.8
Men's, women's and children's clothing	110.3	111.0	117.5	113.1	108.4	118.7	118.1	114.3

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
Paper products	153.4	159.1	164.8	167.1	167.2	172.3	173.0	173.1
Pulp and paper	153.1	158.6	163.9	167.1	168.2	171.0	172.4	172.5
Printing publishing and allied industries	148.2	154.0	154.8	160.1	161.6	164.2	167.3	167.4
Products of petroleum and coal	258.8	272.8	286.6	291.9	286.9	327.1	306.1	306.2
Petroleum products	279.0	294.3	309.4	315.8	310.8	354.9	331.1	331.2
Chemicals and allied products	222.1	233.2	235.1	232.7	227.3	255.1	254.6	254.7
Acids, alkalies, salts and fertilizers	257.2	266.0	249.0	253.1	254.6	305.2	306.2	306.3
Miscellaneous manufactures	213.0	237.2	249.9	255.4	256.9	258.5	263.2	263.3
DURABLE MANUFACTURES	148.4	165.0	171.7	175.8	174.5	181.3	184.7	184.8
Wood products	139.6	151.5	167.5	153.6	141.4	171.0	162.0	162.1
Saw and planing mills	146.7	161.1	180.3	160.1	143.7	185.5	172.6	172.7
Veneers and plywoods	295.4	329.8	359.6	337.5	334.6	395.7	384.9	385.0
Sawmills	134.1	149.6	169.1	143.8	123.1	173.2	156.8	156.9
Furniture	143.6	152.5	163.9	164.7	160.8	163.3	163.2	163.3
Iron and steel products	139.4	152.1	165.9	160.9	160.9	170.0	169.4	169.5
Machinery	133.4	149.1	158.0	161.5	160.8	162.3	165.1	165.2
Iron castings	144.3	135.5	163.2	136.6	137.2	148.4	149.5	149.6
Primary iron and steel	174.0	193.0	200.3	192.8	206.4	228.4	227.9	228.0
Sheet metal products	141.0	157.3	179.0	169.4	158.8	167.0	159.7	159.8
Transportation equipment	129.8	156.7	138.6	165.7	180.2	157.6	185.9	186.0
Aircraft and parts	269.5	260.0	253.2	245.8	235.4	233.8	244.3	244.4
Motor vehicles	157.3	206.9	159.2	225.2	261.6	199.6	262.2	262.3
Motor vehicle parts	121.3	146.6	146.6	157.3	166.1	178.0	189.4	189.5
Railway rolling stock	42.9	41.5	42.2	41.8	40.9	42.6	44.1	44.2
Shipbuilding and repairs	145.2	186.9	196.4	197.1	193.2	187.5	192.8	192.9
Non-ferrous metal products	147.6	148.9	147.4	145.9	148.8	152.3	153.5	153.6
Brass and copper products ...	122.2	126.9	129.4	126.8	124.4	140.8	139.1	139.2
Smelting and refining	165.6	164.2	159.9	157.3	162.6	163.3	165.8	165.9
Electrical apparatus and supplies	182.6	212.9	227.5	238.4	232.5	240.6	239.7	239.8
Heavy electrical machinery ..	132.0	149.8	157.5	160.4	159.9	154.5	155.4	155.5
Telecommunication equipment	428.9	524.1	555.3	674.9	620.1	652.3	678.9	679.0
Refrigerators and appliances	171.3	198.4	220.6	208.8	216.9	238.9	215.1	215.2
Non-metallic mineral products	220.2	240.9	272.5	292.8	260.7	298.5	283.0	283.1
Concrete products	574.1	655.0	793.2	976.9	763.2	954.1	815.9	816.0
Hydraulic cement	214.6	241.9	324.5	298.0	244.5	318.4	336.0	336.1
Domestic clay products	146.2	148.1	170.2	162.2	157.1	159.6	155.3	155.4
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	308.0	324.4	357.1	338.1	360.2	360.3
Electric power	298.5	313.1	297.5	309.6	327.0	327.4	347.0	347.1
Gas	490.6	558.3	402.1	457.6	626.7	434.0	478.3	478.4

CATALOGUE No.

61-005

MONTHLY

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

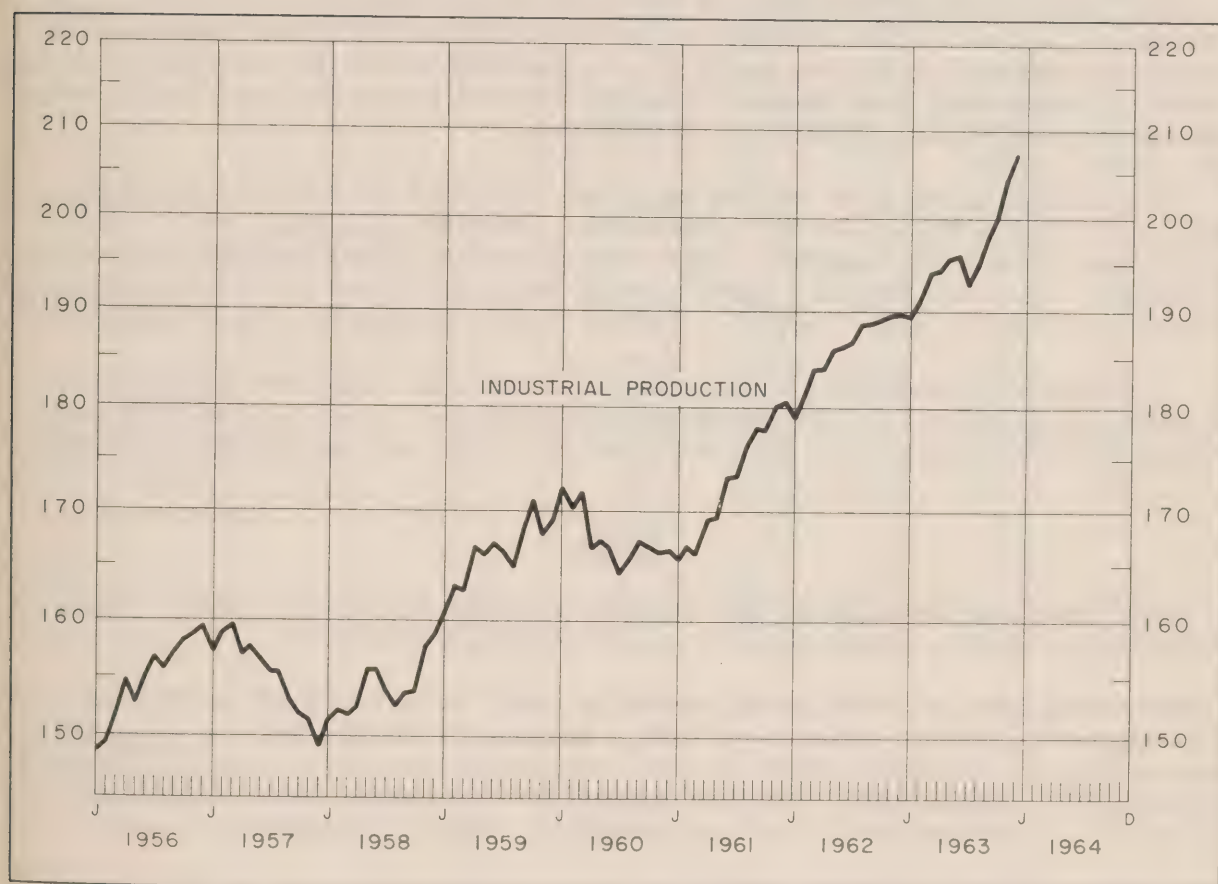
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

DECEMBER 1963

The seasonally adjusted index of industrial production advanced by 1.4% in December.



Industrial Output Section
National Accounts and Balance of Payments Division

February 1964
2205-502

The seasonally adjusted index of industrial production increased a further 1.4% in December, marking its fifth consecutive sizeable advance since July, and an overall increase of 7.5% since that point. In December, manufacturing was higher by almost one and one-half per cent, while electric power and gas utilities advanced by more than 3%. Mining was marginally lower in the month. For the year 1963 as a whole, the total index of industrial production was 5.5% higher than 1962.

The gain in non-durable manufactures was 1.7%, based on widespread strength in the major group detail. The foods and beverages, tobacco, rubber and printing groups all gained 1% in December. Clothing and petroleum products were up by 2%, and paper products, with a particularly large gain in the pulp and paper industry component, advanced almost 4%. Textiles also gained 5% in the month. The only group to decline was leather products (off 3%).

The durables group continued to show strength in December, advancing 1.2%. This latest advance yields an overall 9.7% gain since July of 1963 in the group. As has been the case in the past several months, transportation equipment and iron and steel products continued to show the way in December, with each higher by about 2%. As well, the strength in construction activity was reflected in non-metallic mineral products, up by 4%, in particular due to concrete products. Elsewhere, there were only marginal changes in wood products, non-ferrous metal products and electrical apparatus and supplies.

The stability in total mining was also reflected in both fuels and non-metals with little change in any components. However, although total metals were little changed in December, there were sizeable offsetting movements in the detail. Iron ore showed a particularly large gain, and nickel was also higher. However, declines in gold, copper, zinc and lead combined to offset these gains.

The following changes are indicated for the year 1963 over 1962; total industrial production (+ 5.5%), manufacturing (+5.5%), durables (+6.6%), non-durables (+4.6%), mining (+3.1%), and electric power and gas utilities (8.8%).

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and un-adjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin".

* Copies of this supplement may be obtained by writing to: Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963.					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	192.8	195.1	197.7	200.3	204.4	207.3
MINING, TOTAL	10.07	2	286.0	292.1	302.5	304.1	308.8	308.5
Metals	5.97	2	180.4	188.5	199.4	195.5	202.8	202.7
Gold	1.93	5	93.7	97.7	100.0	95.8	94.1	88.4
Copper	1.10	4	167.2	173.5	189.4	196.0	184.0	172.2
Iron ore	0.31	3	567.5	567.4	698.3	620.8	780.4	948.6
Nickel	1.05	4	147.1	172.5	171.6	176.6	170.9	177.8
Non-metals	0.85	5	220.2	240.5	238.6	235.8	244.5	243.9
Asbestos	0.59	5	233.3	256.9	254.4	245.9	257.7	250.9
Fuels	2.84	3	511.7	514.0	522.1	537.4	536.6	535.2
Coal	1.72	6	50.4	55.7	51.1	45.8	47.8	49.7
Natural gas	0.11	2	1316.2	1312.5	1335.6	1269.6	1275.7	1248.5
Petroleum	1.02	3	1204.2	1202.1	1230.0	1289.0	1282.8	1278.4
MANUFACTURING, TOTAL	84.83	3	170.8	173.3	174.7	177.4	180.8	183.4
NON-DURABLE MANUFACTURES	45.74	3	170.5	173.9	173.3	175.1	176.7	179.7
Foods and beverages	11.83	4	157.9	163.5	161.4	165.0	166.7	168.0
Foods	8.99	4	149.8	156.4	157.8	162.5	161.4	164.8
Meat products	1.62	4	156.5	161.7	165.9	164.6	169.1	175.4
Dairy products	1.40	3	161.5	162.8	164.6	161.4	161.8	169.5
Canning and processing	1.40	4	148.6	160.3	168.5	191.6	173.7	162.8
Grain mill products	1.00	4	128.4	136.4	142.5	146.5	151.3	160.5
Bakery products	1.73	3	144.1	146.3	144.2	145.0	145.6	146.3
Miscellaneous foods	1.83	4	152.8	164.2	158.4	164.3	165.1	173.5
Beverages	2.85	6	183.5	186.1	172.9	173.1	183.6	178.0
Carbonated beverages	0.72	6	174.8	186.3	169.4	177.4	200.9	169.7
Breweries	1.44	6	167.4	165.4	162.4	151.6	163.7	168.2
Distilleries	0.63	6	234.0	236.9	203.4	221.9	214.3	213.0
Tobacco and tobacco products ..	0.77	6	221.7	204.8	182.3	196.2	206.4	209.1
Rubber products	1.33	3	182.7	193.1	179.9	185.9	192.5	
Leather products	1.58	2	119.1	126.6	126.6	128.5	132.2	127.7
Boots and shoes	0.95	4	127.0	136.5	137.9	140.8	145.7	138.3
Textiles	5.04	3	155.7	166.2	165.7	168.1	163.4	171.7
Cotton goods	1.57	4	114.2	119.0	114.9	114.8	115.2	121.4
Wool goods	0.93	3	93.1	89.6	89.4	99.0	89.1	90.9
Synthetic Textiles and Silk ..	1.33	3	260.5	294.8	295.7	298.6	286.3	308.2
Clothing	5.59	3	118.5	116.2	114.4	119.4	120.2	122.8
Men's, women's and children's clothing	3.45	4	110.8	112.0	112.3	118.8	120.5	124.8

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
Paper products	8.22	3	162.1	167.0	167.9	165.3	168.8	175.2
Pulp and paper	6.54	3	161.8	167.5	167.6	164.7	168.9	176.5
Printing publishing and allied industries	3.95	4	155.8	157.9	161.5	159.7	155.9	157.6
Products of petroleum and coal	1.59	3	297.8	286.3	312.7	308.2	302.9	308.0
Petroleum products	1.41	3	321.7	308.7	338.6	333.4	327.5	332.2
Chemicals and allied products	4.22	2	250.3	251.7	246.8	251.4	261.9	262.5
Acids, alkalies, salts and fertilizers	1.07	2	308.4	306.2	306.4	309.3	315.0	315.4
Miscellaneous manufactures	1.62	1	248.9	249.0	249.3	248.1	247.0	245.8
DURABLE MANUFACTURES	39.09	3	171.2	172.6	176.5	180.1	185.6	187.8
Wood products	6.54	2	154.8	157.0	159.4	163.5	167.9	166.9
Saw and planing mills	4.48	3	167.2	169.7	172.7	178.9	184.6	182.0
Veneers and plywoods	0.38	3	334.3	338.6	376.9	377.4	404.5	416.6
Sawmills	3.08	4	159.0	162.0	161.7	170.2	173.5	166.3
Furniture	1.43	2	150.4	151.9	152.3	152.2	153.9	157.4
Iron and steel products	12.49	2	158.7	156.3	160.6	164.6	168.6	171.6
Machinery	2.64	1	161.5	159.4	158.2	160.6	163.5	164.8
Iron castings	1.20	3	154.7	148.2	141.3	151.0	157.1	161.4
Primary iron and steel	2.62	2	210.9	203.6	220.0	225.2	240.9	245.4
Sheet metal products	1.11	1	155.1	155.5	152.5	150.7	154.8	155.8
Transportation equipment	8.23	4	171.4	175.1	179.7	192.8	204.7	208.6
Aircraft and parts	0.63	1	224.7	228.1	234.3	245.3	257.2	253.8
Motor vehicles	3.21	4	241.3	252.4	253.9	276.0	299.5	305.7
Motor vehicle parts	1.43	2	167.6	164.6	181.6	193.6	202.8	211.6
Railway rolling stock	1.93	1	39.3	40.3	41.8	43.4	44.4	44.5
Shipbuilding and repairs	0.81	1	192.4	186.8	189.4	198.8	195.9	197.6
Non-ferrous metal products	4.97	3	145.9	151.6	151.7	151.2	148.9	148.3
Brass and copper products ...	0.75	1	136.2	137.2	135.8	135.8	138.6	140.5
Smelting and refining	3.19	3	155.4	164.3	164.9	165.1	160.6	159.2
Electrical apparatus and supplies	4.40	2	221.0	221.8	223.3	222.5	231.6	232.4
Heavy electrical machinery ..	1.52	1	153.3	152.0	150.1	148.9	151.1	153.6
Telecommunication equipment	0.44	3	527.9	538.4	557.5	553.0	592.7	590.0
Refrigerators and appliances	0.71	3	225.0	222.9	225.8	224.8	247.5	243.5
Non-metallic mineral products	2.46	2	240.1	242.5	257.6	242.5	246.9	256.3
Concrete products	0.30	4	593.9	604.7	745.4	637.4	682.0	783.6
Hydraulic cement	0.36	5	241.8	250.7	244.9	264.6	247.7	192.5
Domestic clay products	0.24	3	143.7	132.4	145.1	138.5	146.4	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	373.9	366.2	373.1	376.6	390.8	403.7
Electric power	4.60	2	341.5	334.6	340.7	349.4	364.9	374.2
Gas	0.51	3	664.3	649.8	663.6	620.4	622.7	668.5

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
INDUSTRIAL PRODUCTION, TOTAL	172.9	186.0	195.4	194.6	182.2	206.5	211.0	197.7
MINING, TOTAL	266.9	287.4	300.1	288.5	274.2	312.2	309.5	295.1
Metals	191.7	197.7	204.3	190.5	179.0	208.0	202.0	184.2
Gold	107.1	100.1	100.1	99.9	97.2	97.0	96.5	88.8
Copper	169.5	176.7	174.7	193.7	174.9	191.3	197.4	163.6
Iron ore	504.7	632.5	804.3	448.0	386.0	807.1	663.3	607.1
Nickel	183.8	184.2	153.2	197.1	189.5	176.6	170.9	177.4
Non-metals	211.7	222.5	246.1	233.9	190.7	256.4	274.4	221.9
Asbestos	223.4	234.1	252.4	243.0	197.7	264.3	288.6	225.8
Fuels	430.7	480.8	485.0	483.7	505.5	512.8	526.8	553.6
Coal	49.9	48.8	59.4	59.3	55.2	58.4	61.9	59.2
Natural gas	712.0	1,005.7	1020.2	1122.4	1243.7	1150.3	1335.7	1460.7
Petroleum	1,043.7	1,154.0	1146.4	1131.9	1186.7	1211.7	1225.1	1291.2
MANUFACTURING, TOTAL	153.0	164.9	175.2	173.7	160.3	184.7	187.6	174.2
DURABLE MANUFACTURES	157.0	164.8	174.6	173.1	158.5	184.6	184.2	170.7
Food and beverages	154.2	158.9	175.7	168.8	149.2	185.1	179.1	154.1
Food	151.2	154.8	175.7	162.7	144.9	184.7	170.5	152.5
Meat products	158.1	159.2	169.1	178.8	144.0	178.6	190.6	157.7
Dairy products	158.3	159.3	152.5	141.2	138.2	159.8	143.2	144.1
Canning and processing	153.8	164.7	245.5	168.3	142.2	275.5	187.1	139.0
Grain mill products	138.6	137.5	138.7	140.8	131.7	152.0	161.6	153.9
Bakery products	149.2	145.4	151.6	148.5	144.2	149.2	147.5	143.8
Miscellaneous foods	146.4	158.3	188.6	186.1	160.6	190.9	187.7	172.2
Beverages	163.6	171.9	175.9	188.0	163.0	186.6	206.0	158.9
Carbonated beverages	165.6	173.0	132.8	163.1	180.0	150.8	181.4	167.3
Breweries	147.6	156.3	146.2	157.1	154.0	146.3	170.2	151.4
Distilleries	200.1	210.0	293.9	290.9	168.8	315.5	323.6	170.4
Tobacco and tobacco products ..	193.6	203.7	212.4	220.3	184.2	205.4	219.4	188.2
Textile products	145.7	167.6	186.9	195.5	164.8	201.1	211.4	
Other products	123.8	126.7	126.4	130.0	114.8	129.8	135.0	117.4
Foots and shoes	134.3	137.7	132.4	137.2	114.4	138.5	144.2	119.2
Textiles	134.6	146.6	155.5	159.3	145.7	173.3	172.3	168.6
Cotton goods	98.8	105.3	114.1	109.7	97.2	124.0	124.0	117.3
Wool goods	80.3	84.9	93.4	89.6	81.7	106.1	98.9	87.4
Synthetic textiles and silk ..	219.5	243.6	253.1	274.2	245.5	298.9	298.6	302.0
Other things	107.1	111.0	115.5	113.8	109.7	121.0	120.2	115.9
Men's, women's and children's clothing	110.3	111.0	113.1	108.4	106.0	118.1	115.0	112.8

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962			1963		
	1961	1962	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
Paper products	153.4	159.1	167.1	167.2	149.0	173.0	176.8	167.1
Pulp and paper	153.1	158.6	167.1	168.2	146.4	172.4	178.5	167.7
Printing publishing and allied industries	148.2	154.0	160.1	161.6	152.5	167.4	163.6	157.4
Products of petroleum and coal	258.8	272.8	291.9	286.9	287.1	306.1	306.7	307.4
Petroleum products	279.0	294.3	315.8	310.8	311.3	331.1	331.8	332.5
Chemicals and allied products	222.1	233.2	232.7	227.3	215.9	254.6	257.7	244.3
Acids, alkalies, salts and fertilizers	257.2	266.0	253.1	254.6	257.5	306.2	308.7	309.1
Miscellaneous manufactures	213.0	237.2	255.4	256.9	245.9	263.0	263.5	253.2
DURABLE MANUFACTURES	148.4	165.0	175.8	174.5	162.4	184.8	191.6	178.1
Wood products	139.6	151.5	153.6	141.4	138.8	162.0	150.9	147.4
Saw and planing mills	146.7	161.1	160.1	143.7	141.9	172.7	157.4	153.1
Veneers and plywoods	295.4	329.8	337.5	334.6	336.5	384.9	388.7	373.1
Sawmills	134.1	149.6	143.8	123.1	123.3	156.8	134.8	131.2
Furniture	143.6	152.5	164.7	160.8	156.4	163.2	161.3	159.1
Iron and steel products	139.4	152.1	160.9	160.9	145.5	169.3	170.2	155.1
Machinery	133.4	149.1	161.5	160.8	158.7	165.1	165.5	163.1
Iron castings	144.3	135.5	136.6	137.2	99.8	149.5	150.8	129.1
Primary iron and steel	174.0	193.0	192.8	206.4	176.7	227.9	243.6	210.1
Sheet metal products	141.0	157.3	169.4	158.8	147.9	159.7	154.8	148.1
Transportation equipment	129.8	156.7	165.7	180.2	172.9	185.9	227.9	216.1
Aircraft and parts	269.5	260.0	245.8	235.4	229.4	244.3	252.6	255.1
Motor vehicles	157.3	206.9	225.2	261.6	243.9	262.2	362.4	330.1
Motor vehicle parts	121.3	146.6	157.3	166.1	169.5	189.3	201.8	210.1
Railway rolling stock	42.9	41.5	41.8	40.9	40.9	44.1	44.4	43.1
Shipbuilding and repairs	145.2	186.9	197.1	193.2	187.2	192.8	190.0	185.1
Non-ferrous metal products	147.6	148.9	145.9	148.8	146.8	153.8	152.6	149.1
Brass and copper products ...	122.2	126.9	126.8	124.4	123.1	139.5	139.6	139.1
Smelting and refining	165.6	164.2	157.3	162.6	161.3	165.8	163.8	160.1
Electrical apparatus and supplies	182.6	212.9	238.4	232.5	217.2	240.7	247.4	229.1
Heavy electrical machinery ..	132.0	149.8	160.4	159.9	159.4	155.3	155.6	155.1
Telecommunication equipment	428.9	524.1	674.9	620.1	508.3	678.5	686.9	560.1
Refrigerators and appliances	171.3	198.4	208.8	216.9	208.3	220.3	253.4	231.1
Non-metallic mineral products	220.2	240.9	292.8	260.7	208.6	283.0	265.5	215.1
Concrete products	574.1	655.0	976.9	763.2	446.2	815.9	749.5	535.1
Hydraulic cement	214.6	241.9	298.0	244.5	196.1	336.0	257.6	128.1
Domestic clay products	146.2	148.1	162.2	157.1	147.8	155.3	154.2	
ELECTRIC POWER AND GAS UTILITIES	317.7	337.7	324.4	357.1	364.7	360.2	406.7	433.1
Electric power	298.5	313.1	309.6	327.0	327.6	347.0	380.2	391.1
Gas	490.6	558.3	457.6	626.7	698.5	478.3	644.5	811.1

CATALOGUE No.

61-005

MONTHLY

(DOMINION BUREAU OF STATISTICS)

(OTTAWA - CANADA)

(Published by Authority of the Minister of Trade and Commerce)

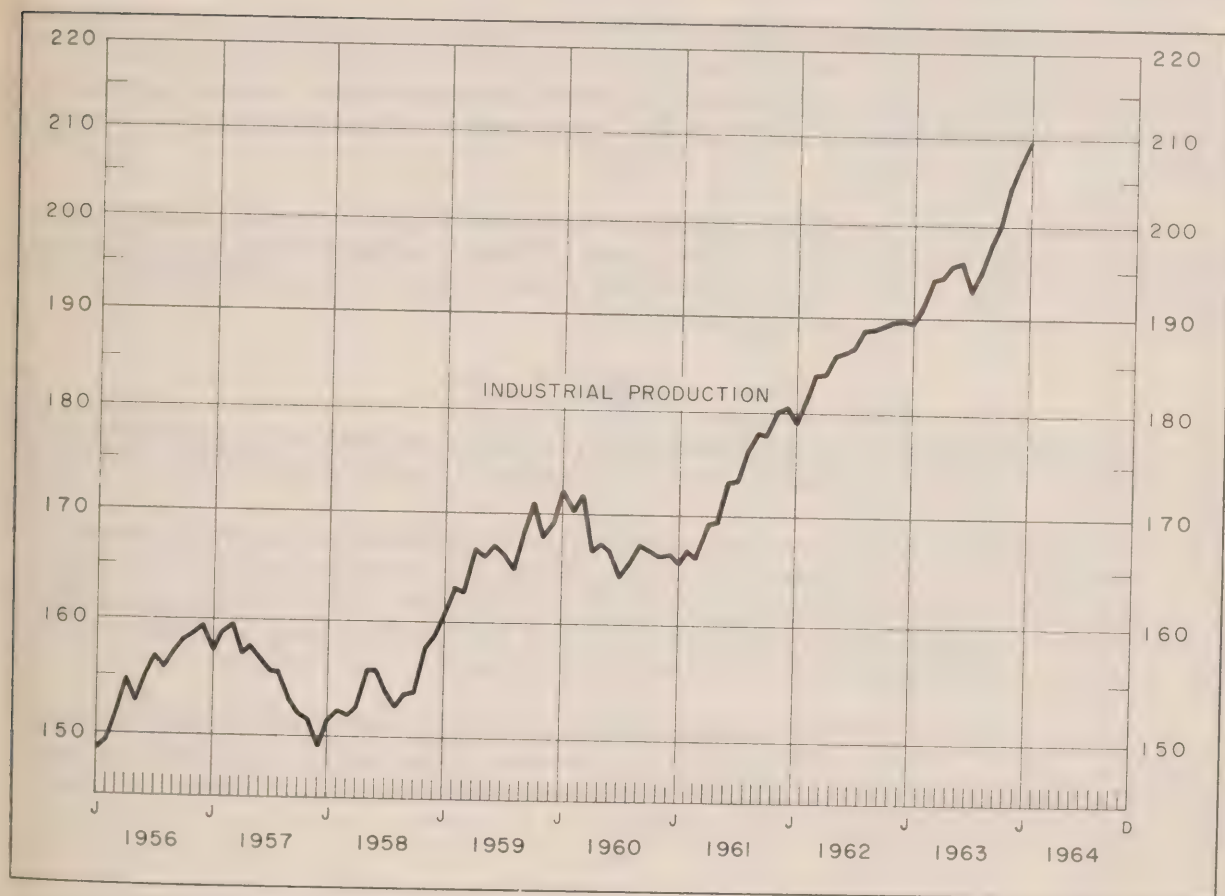
Vol. 4, No. 1

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JANUARY 1964

The seasonally adjusted index of industrial production advanced by 1 per cent in January.



Industrial Output Section
National Accounts and Balance of Payments Division

March 1964
205-502

The seasonally adjusted index of industrial production continued to expand in January advancing by one per cent to 209.8 from the revised December figure of 207.7. With this latest increase in the aggregate Index of Industrial Production, the current cyclical expansion has now lasted for three years, with the overall gain during this period amounting to 26.7%. In January, the gain in manufacturing output was 0.6%, while mining recorded a substantial advance of 4.5%. Electric power and gas utilities declined by one and one half per cent.

Although manufacturing was higher in January than December, only durables gained further ground (+ 1.9%) with non-durables lower by one-half of one per cent. Within durables, the strength was particularly evident in wood and non-metallic mineral products, led by sawmills and the cement industries. Iron and steel products continued to gain in January (+ 1.4%) as iron castings and heating and cooking apparatus moved higher. Primary iron and steel showed a small decline after the substantial increases of the past several months. Non-ferrous metal products gained more than 3%, due to a similar increase in smelting and refining. Transportation equipment fell slightly, as motor vehicles were off by about 2%. Electrical apparatus and supplies showed little change in the month.

The slight weakness in non-durables was the result of declines of about 1% in foods and beverages, clothing, paper products and chemicals and about 2% in textiles and rubber. The only groups to show increases were leather products and printing and publishing (each up by 2 per cent.) Tobacco products showed no change.

Both metal mining and fuels advanced by about 5 per cent in January, as strong gains occurred in copper, zinc, lead, "other" metals (including uranium), and crude petroleum. Partially offsetting these were declines in iron ore and nickel. Non-metal mining fell by about 3%.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement * to this report for the period 1919 to 1934 and 1957 to 1962 inclusive and the regular monthly reports thereafter.

3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin."

* Copies of this supplement may be obtained by writing to; Chief, Industrial Output Section, D.B.S. Tunney's Pasture, Ottawa.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 proportions	MCD	Seasonally adjusted					
			1963					1964
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	195.1	197.7	200.3	204.2	207.7	209.8
MINING, TOTAL	10.07	2	292.1	302.5	304.1	307.4	310.6	324.5
Metals	5.97	2	188.5	199.4	195.5	202.8	202.7	214.3
Gold	1.93	5	97.7	100.0	95.8	94.1	88.4	87.7
Copper	1.10	4	173.5	189.4	196.0	184.0	172.2	179.6
Iron ore	0.31	3	567.4	698.3	620.8	780.4	948.6	891.3
Nickel	1.05	4	172.5	171.6	176.6	170.9	177.8	165.4
Non-metals	0.85	5	240.5	238.6	235.8	244.5	243.9	236.2
Asbestos	0.59	5	256.9	254.4	245.9	257.7	250.9	249.6
Fuels	2.84	3	514.0	522.1	537.4	531.7	542.7	569.1
Coal	1.72	6	55.7	51.1	45.8	47.8	49.7	54.2
Natural gas	0.11	2	1312.5	1335.6	1269.6	1270.9	1224.3	1216.8
Petroleum	1.02	3	1202.1	1230.0	1289.0	1269.6	1302.0	1369.1
MANUFACTURING, TOTAL	84.83	3	173.3	174.7	177.4	180.8	183.7	184.8
NON-DURABLE MANUFACTURES	45.74	3	173.9	173.3	175.1	176.7	180.0	179.1
Foods and beverages	11.83	4	163.5	161.4	165.0	166.7	168.0	166.2
Foods	8.99	4	156.4	157.8	162.5	161.4	164.9	163.4
Meat products	1.62	4	161.7	165.9	164.6	169.1	175.3	176.8
Dairy products	1.40	3	162.8	164.6	161.4	161.8	169.4	171.1
Canning and processing	1.40	4	160.3	168.5	191.6	172.9	162.7	161.6
Grain mill products	1.00	4	136.4	142.5	146.5	151.3	160.1	168.3
Bakery products	1.73	3	146.3	144.2	145.0	145.8	146.9	138.9
Miscellaneous foods	1.83	4	164.2	158.4	164.3	165.6	173.9	167.7
Beverages	2.85	6	186.1	172.9	173.1	183.6	177.7	175.1
Carbonated beverages	0.72	6	186.3	169.4	177.4	200.9	169.7	168.8
Breweries	1.44	6	165.4	162.4	151.6	163.7	168.2	149.0
Distilleries	0.63	6	236.9	203.4	221.9	214.3	213.0	245.2
Tobacco and tobacco products ..	0.77	6	204.8	182.3	196.2	206.4	209.1	209.0
Rubber products	1.33	3	193.1	179.9	185.9	192.5	207.7	204.2
Leather products	1.58	2	126.6	126.6	128.5	132.3	128.2	131.4
Boots and shoes	0.95	4	136.5	137.9	140.8	145.7	138.3	
Textiles	5.04	3	166.2	165.7	168.1	163.4	172.1	169.4
Cotton goods	1.57	4	119.0	114.9	114.8	115.2	121.4	114.6
Wool goods	0.93	3	89.6	89.4	99.0	89.1	90.9	102.9
Synthetic Textiles and Silk	1.33	3	294.8	295.7	298.6	286.3	308.2	
Clothing	5.59	3	116.2	114.4	119.4	120.0	121.5	120.4
Men's, women's and children's clothing	3.45	4	112.0	112.3	118.8	120.2	122.0	117.4

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963					1964
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Paper products	8.22	3	167.0	167.9	165.3	168.8	175.4	173.
Pulp and paper	6.54	3	167.5	167.6	164.7	168.9	176.5	172.
Printing publishing and allied industries	3.95	4	157.9	161.5	159.7	155.9	157.4	160.
Products of petroleum and coal	1.59	3	286.3	312.7	308.2	302.9	308.0	310.
Petroleum products	1.41	3	308.7	338.6	333.4	327.5	332.2	
Chemicals and allied products	4.22	2	251.7	246.8	251.4	262.7	263.1	261.
Acids, alkalies, salts and fertilizers	1.07	2	306.2	306.4	309.3	315.0	310.5	298.
Miscellaneous manufactures	1.62	1	249.0	249.3	248.1	246.3	245.4	249
DURABLE MANUFACTURES	39.09	3	172.6	176.5	180.1	185.5	188.0	191
Wood products	6.54	2	157.0	159.4	163.5	167.7	166.2	176
Saw and planing mills	4.48	3	169.7	172.7	178.9	184.4	181.3	195
Veneers and plywoods	0.38	3	338.6	376.9	377.4	404.5	416.6	425
Sawmills	3.08	4	162.0	161.7	170.2	173.5	166.3	186
Furniture	1.43	2	151.9	152.3	152.2	153.8	156.2	156
Iron and steel products	12.49	2	156.3	160.6	164.6	168.5	171.7	174
Machinery	2.64	1	159.4	158.2	160.6	163.0	164.8	165
Iron castings	1.20	3	148.2	141.3	151.0	157.1	151.4	171
Primary iron and steel	2.62	2	203.6	220.0	225.2	240.9	243.4	242
Sheet metal products	1.11	1	155.5	152.5	150.7	154.6	155.5	155
Transportation equipment	8.23	4	175.1	179.7	192.8	204.7	209.2	208
Aircraft and parts	0.63	1	228.1	234.3	245.3	257.2	256.6	257
Motor vehicles	3.21	4	252.4	253.9	276.0	299.5	305.7	291
Motor vehicle parts	1.43	2	164.6	181.6	193.6	203.0	214.9	221
Railway rolling stock	1.93	1	40.3	41.8	43.4	44.4	44.7	45
Shipbuilding and repairs	0.81	1	186.8	189.4	198.8	195.1	195.0	202
Non-ferrous metal products	4.97	3	151.6	151.7	151.2	148.9	148.8	152
Brass and copper products ...	0.75	1	137.2	135.8	135.8	138.6	140.4	142
Smelting and refining	3.19	3	164.3	164.9	165.1	160.6	159.2	164
Electrical apparatus and supplies	4.40	2	221.8	223.3	222.5	231.6	233.0	231
Heavy electrical machinery ..	1.52	1	152.0	150.1	148.9	151.1	155.0	161
Telecommunication equipment	0.44	3	538.4	557.5	553.0	592.8	591.4	591
Refrigerators and appliances	0.71	3	222.9	225.8	224.8	247.3	237.8	211
Non-metallic mineral products	2.46	2	242.5	257.6	242.5	247.0	255.8	261
Concrete products	0.30	4	604.7	745.4	637.4	682.0	763.6	847
Hydraulic cement	0.36	5	250.7	244.9	264.6	247.7	192.5	244
Domestic clay products	0.24	3	132.4	145.1	138.5	146.4		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	366.2	373.1	376.6	390.8	403.7	397
Electric power	4.60	2	334.6	340.7	349.4	364.9	374.2	361
Gas	0.51	3	649.8	663.6	620.4	622.7	668.5	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962		1963	1963		1964
	1962	1963	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL	186.0	196.2	194.6	182.2	183.2	210.9	200.1	202.2
MINING, TOTAL	287.4	296.3	288.5	274.2	277.9	308.2	297.2	314.1
Metals	197.7	194.7	190.5	179.0	169.9	202.0	184.2	193.0
Gold	100.1	95.5	99.9	97.2	94.0	96.5	88.8	86.3
Copper	176.7	175.4	193.7	174.9	158.7	197.4	163.6	172.8
Iron ore	632.5	670.8	448.0	386.0	325.4	663.3	607.1	472.4
Nickel	184.2	174.8	197.1	189.5	167.7	170.9	177.4	163.9
Non-metals	222.5	228.1	233.9	190.7	201.0	274.4	221.9	207.7
Asbestos	234.1	239.1	243.0	197.7	216.4	288.6	225.8	222.9
Fuels	480.8	514.7	483.7	505.5	540.8	522.1	561.1	617.0
Coal	48.8	52.0	59.3	55.2	63.7	61.9	59.2	62.5
Natural gas	1,005.7	1180.7	1122.4	1243.7	1352.7	1330.6	1432.4	1569.7
Petroleum	1,154.0	1224.7	1131.9	1186.7	1259.2	1212.5	1315.0	1451.2
MANUFACTURING, TOTAL	164.9	174.1	173.7	160.3	158.9	187.6	174.5	174.1
NON-DURABLE MANUFACTURES	164.8	172.5	173.1	158.5	155.0	184.2	171.1	167.8
Food and beverages	158.9	162.9	168.8	149.2	130.1	179.1	154.1	137.3
Food products	154.8	158.1	162.7	144.9	133.6	170.5	152.6	141.9
Meat products	159.2	163.6	178.8	144.0	156.1	190.6	157.6	178.2
Dairy products	159.3	163.5	141.2	138.2	131.1	143.2	144.0	134.5
Canning and processing	164.7	170.2	168.3	142.2	79.3	186.0	138.9	81.6
Grain mill products	137.5	143.2	140.8	131.7	129.8	161.6	153.6	158.6
Bakery products	145.4	142.8	148.5	144.2	145.9	147.7	144.4	131.7
Miscellaneous foods	158.3	162.8	136.1	160.6	147.5	188.2	172.5	162.1
Beverages	171.9	177.8	188.0	163.0	119.2	206.0	158.7	122.7
Carbonated beverages	173.0	179.4	163.1	180.0	144.2	181.4	167.3	139.1
Breweries	156.3	159.9	157.1	154.0	86.0	170.2	151.4	84.2
Distilleries	210.0	220.3	290.9	168.8	167.5	323.6	170.4	193.7
Tobacco and tobacco products ..	203.7	207.7	220.3	184.2	195.8	219.4	188.2	199.6
Rubber products	167.6	190.5	195.5	164.8	170.4	211.4	188.0	186.4
Leather products	126.7	127.0	130.0	114.8	130.7	135.1	117.9	132.0
Boots and shoes	137.7	136.9	137.2	114.4	143.0	144.2	119.2	132.0
Textiles	146.6	159.5	159.3	145.7	148.0	172.3	169.0	168.7
Cotton goods	105.3	109.6	109.7	97.2	100.4	124.0	117.3	115.5
Wool goods	84.9	89.8	89.6	81.7	77.7	98.9	87.4	92.0
Synthetic textiles and silk	243.6	281.0	274.2	245.5	261.6	298.6	302.0	292.0
Clothing	111.0	116.7	113.8	109.7	115.5	120.0	114.9	120.9
Men's, women's and children's clothing	111.0	113.7	108.4	106.0	115.9	114.7	110.3	119.9

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962		1963		1963	
	1962	1963	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
Paper products	159.1	164.3	167.2	149.0	147.9	176.9	167.2	161.0
Pulp and paper	158.6	163.8	168.2	146.4	146.4	178.5	167.7	161.0
Printing publishing and allied industries	154.0	156.7	161.6	152.5	146.1	163.5	157.2	153.1
Products of petroleum and coal	272.8	296.0	286.9	287.1	288.9	306.7	307.4	319.4
Petroleum products	294.3	319.7	310.8	311.3	312.6	331.8	332.5	
Chemicals and allied products	233.2	249.1	227.3	215.9	223.7	258.5	244.9	257.2
Acids, alkalies, salts and fertilizers	266.0	302.0	254.6	257.5	256.7	308.7	304.3	300.5
Miscellaneous manufactures	237.2	246.6	256.9	245.9	234.0	262.8	252.8	242.1
DURABLE MANUFACTURES	165.0	175.9	174.5	162.4	163.4	191.5	178.5	181.4
Wood products	151.5	159.0	141.4	138.8	142.9	150.7	146.6	158.8
Saw and planing mills	161.1	172.1	143.7	141.9	150.1	157.2	152.4	172.2
Veneers and plywoods	329.8	358.8	334.6	336.5	334.3	388.7	373.3	395.5
Sawmills	149.6	162.3	123.1	123.3	137.1	134.8	131.2	158.2
Furniture	152.5	153.0	160.8	156.4	150.6	161.2	158.5	152.8
Iron and steel products	152.1	161.7	160.9	145.5	146.1	170.1	155.6	160.2
Machinery	149.1	160.2	160.8	158.7	155.6	165.0	163.6	161.5
Iron castings	135.5	151.1	137.2	99.8	125.8	150.8	129.1	164.3
Primary iron and steel	193.0	216.9	206.4	176.7	189.8	243.6	210.8	220.5
Sheet metal products	157.3	156.9	158.8	147.9	144.2	154.6	147.7	144.8
Transportation equipment	156.7	181.4	180.2	172.9	183.4	227.9	217.1	218.8
Aircraft and parts	260.0	233.8	235.4	229.4	229.9	252.6	258.4	262.6
Motor vehicles	206.9	257.6	261.6	243.9	270.1	362.4	330.2	332.3
Motor vehicle parts	146.6	179.5	166.1	169.5	169.9	202.0	214.0	217.5
Railway rolling stock	41.5	41.1	40.9	40.9	40.0	44.4	43.9	43.3
Shipbuilding and repairs	186.9	197.2	193.2	187.2	190.9	189.2	182.5	183.8
Non-ferrous metal products	148.9	148.8	148.8	146.8	147.4	152.6	150.2	152.9
Brass and copper products ...	126.9	133.4	124.4	123.1	123.4	139.6	139.0	138.5
Smelting and refining	164.2	161.6	162.6	161.3	163.9	163.8	160.8	166.5
Electrical apparatus and supplies	212.9	223.5	232.5	217.2	211.8	247.3	230.0	226.3
Heavy electrical machinery ..	149.8	154.3	159.9	159.4	156.4	155.6	156.5	155.5
Telecommunication equipment	524.1	547.1	620.1	508.3	477.2	687.1	561.8	560.8
Refrigerators and appliances	198.4	221.7	216.9	208.3	202.6	253.2	225.7	212.7
Non-metallic mineral products	240.9	243.2	260.7	208.6	183.7	265.5	215.0	201.2
Concrete products	655.0	652.3	763.2	446.2	351.0	749.5	535.2	472.1
Hydraulic cement	241.9	246.0	244.5	196.1	145.9	257.6	128.6	128.5
Domestic clay products	148.1	138.2	157.1	147.8	106.7	154.2		
ELECTRIC POWER AND GAS UTILITIES	337.7	367.5	357.1	364.7	400.0	406.7	433.9	450.0
Electric power	313.1	339.2	327.0	327.6	346.7	380.2	391.8	389.2
Gas	558.3	621.6	626.7	698.5	878.5	644.5	811.6	

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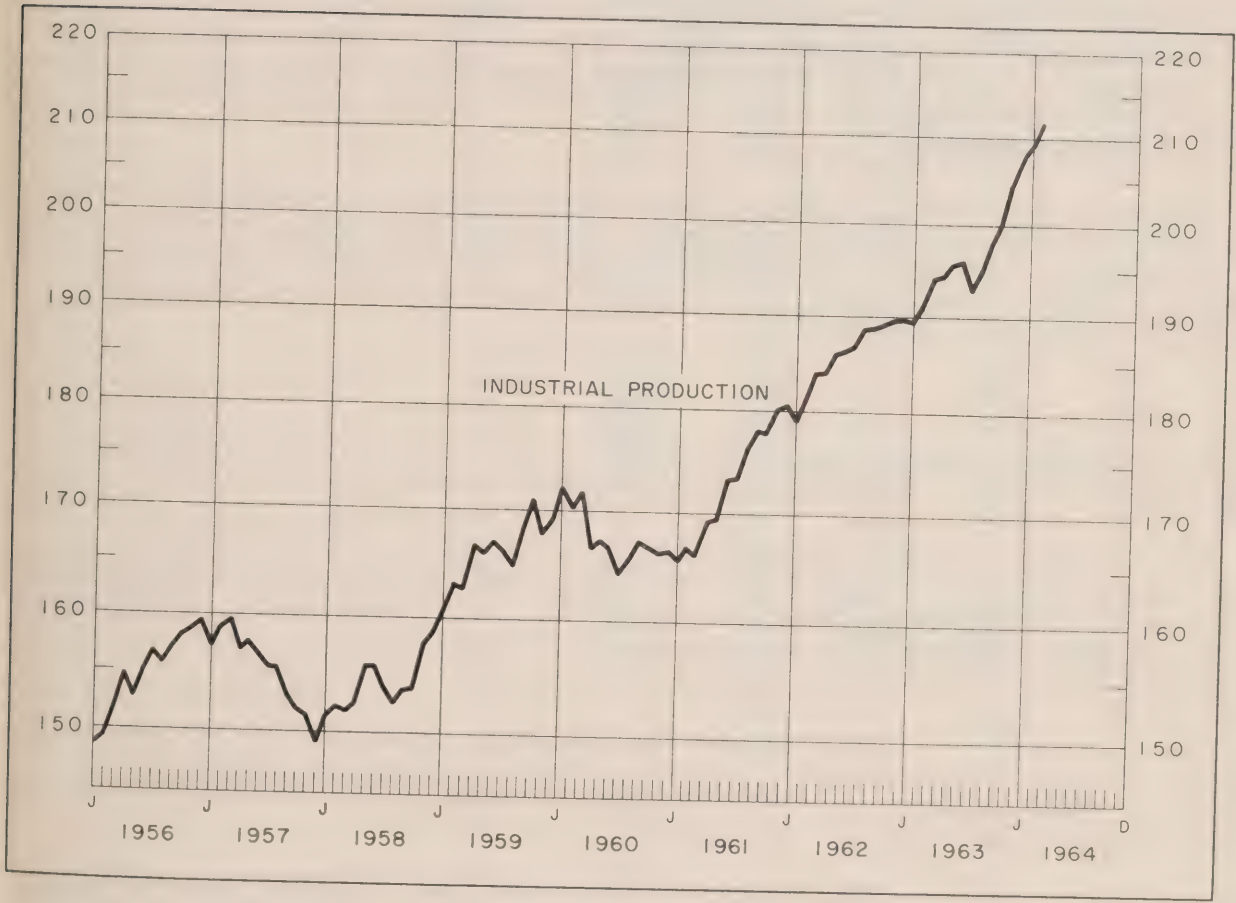
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

FEBRUARY 1964

The seasonally adjusted index of industrial production advanced by 1.3 per cent in February.



Industrial Output Section
National Accounts and Balance of Payments Division

April 1964
205-502

The seasonally adjusted index of industrial production continued to expand in February gaining 1.3% from 209.1 to 211.9, as all three major divisions of the index moved higher. The strength in the index was particularly concentrated in manufacturing, where a 1.6% gain was registered. Increases of less than 1% were recorded in both mining and electric power and gas utilities.

More than two thirds of the gain in manufacturing output occurred in non-durables, up by 2.1%. The biggest single contributor to this increase was foods and beverages (+ 5%), due largely to irregular increases in both breweries and canning and processing. In addition, rubber products were considerably higher in the month, reflecting increased tire output. Leather and paper products rose in February, the latter largely due to increased roofing paper output, although pulp and paper also gained close to 1%. Tobacco, printing and clothing output were lower in the month, while chemicals were virtually unchanged.

A major part of the 1% increase in durable manufacturing output in February occurred in non-metallic mineral products, up by almost 11%. This was due to significant gains in some construction material producing industries, in particular cement and concrete products. A further almost 2% gain was registered in motor vehicle production to bring the transportation equipment group higher by about 1%. Iron and steel products fell slightly with losses in both primary steel and iron castings. Wood products and electrical apparatus and supplies fell by from one per cent to two per cent. Non-ferrous metal products gained almost 3%, due to smelting and refining.

The small increase in mining output was apparent in all three published components, metals, non-metals and fuels. In metals large gains occurred in iron ore and nickel, with mostly offsetting losses in copper, lead and gold. It should be noted that there was a substantial downward revision to the crude petroleum figures in January.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".
2. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934 and 1957 to 1962 inclusive and the regular monthly reports thereafter.
3. For historical production indexes for the other industries of the Canadian economy, by years, 1935 to 1962, and by quarters (seasonally adjusted and unadjusted), 1946 to 1962, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin."
4. Note - The 1964 Supplement will be appearing with the March issue of this report, containing revisions beginning in January 1963. In addition, output indexes for the other industries in the economy will be featured on a quarterly basis, updating the table appearing in the previously mentioned D.B.S. publication 61-505.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963			1964		
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	197.7	200.3	204.2	207.7	209.1	211.9
MINING, TOTAL	10.07	2	302.5	304.1	307.4	310.6	316.3	318.3
Metals	5.97	2	199.4	195.5	202.8	202.7	219.9	220.7
Gold	1.93	5	100.0	95.8	94.1	88.4	57.7	84.4
Copper	1.10	4	189.4	196.0	184.0	172.2	189.1	172.9
Iron ore	0.31	3	698.3	620.8	780.4	948.6	891.3	1012.2
Nickel	1.05	4	171.6	176.6	170.9	177.8	165.6	185.2
Non-metals	0.85	5	238.6	235.8	244.5	243.9	231.5	234.8
Asbestos	0.59	5	254.4	245.9	257.7	250.9	242.5	245.5
Fuels	2.84	3	522.1	537.4	531.7	542.7	529.6	532.8
Coal	1.72	6	51.1	45.8	47.8	49.7	52.3	52.8
Natural gas	0.11	2	1335.6	1269.6	1270.9	1224.3	1169.6	1192.3
Petroleum	1.02	3	1230.0	1289.0	1269.6	1302.0	1266.9	1272.6
MANUFACTURING, TOTAL	84.83	3	174.7	177.4	180.8	183.7	185.4	188.4
NON-DURABLE MANUFACTURES	45.74	3	173.3	175.1	176.7	180.0	180.4	184.1
Foods and beverages	11.83	4	161.4	165.0	166.7	168.0	169.6	178.8
Foods	8.99	4	157.8	162.5	161.4	164.9	165.6	171.4
Meat products	1.62	4	165.9	164.6	169.1	175.3	180.2	178.8
Dairy products	1.40	3	164.6	161.4	161.8	169.4	169.0	167.2
Canning and processing	1.40	4	168.5	191.6	172.9	162.7	164.0	196.2
Grain mill products	1.00	4	142.5	146.5	151.3	160.1	167.0	169.6
Bakery products	1.73	3	144.2	145.0	145.8	146.9	144.6	146.3
Miscellaneous foods	1.83	4	158.4	164.3	165.6	173.9	170.6	173.6
Beverages	2.85	6	172.9	173.1	183.6	177.7	182.1	202.2
Carbonated beverages	0.72	6	169.4	177.4	200.9	169.7	171.7	196.0
Breweries	1.44	6	162.4	151.6	163.7	168.2	158.9	183.1
Distilleries	0.63	6	203.4	221.9	214.3	213.0	248.3	257.3
Tobacco and tobacco products ..	0.77	6	182.3	196.2	206.4	209.1	209.2	199.5
Rubber products	1.33	3	179.9	185.9	192.5	207.7	201.1	226.4
Leather products	1.58	2	126.6	128.5	132.3	128.2	125.3	130.5
Boots and shoes	0.95	4	137.9	140.8	145.7	138.3	131.1	
Textiles	5.04	3	165.7	168.1	163.4	172.1	168.1	169.8
Cotton goods	1.57	4	114.9	114.8	115.2	121.4	117.4	121.0
Wool goods	0.93	3	89.4	99.0	89.1	90.9	104.5	94.3
Synthetic Textiles and Silk	1.33	3	295.7	298.6	286.3	308.2	283.3	
Clothing	5.59	3	114.4	119.4	120.0	121.5	121.5	120.1
Men's, women's and children's clothing	3.45	4	112.3	118.8	120.2	122.0	118.6	115.7

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963			1964		
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Paper products	8.22	3	167.9	165.3	168.8	175.4	172.8	175.9
Pulp and paper	6.54	3	167.6	164.7	168.9	176.5	171.6	172.8
Printing publishing and allied industries	3.95	4	161.5	159.7	155.9	157.4	162.0	159.5
Products of petroleum and coal	1.59	3	312.7	308.2	302.9	308.0	310.3	310.5
Petroleum products	1.41	3	338.6	333.4	327.5	332.2		
Chemicals and allied products	4.22	2	246.8	251.4	262.7	263.1	267.9	268.0
Acids, alkalies, salts and fertilizers	1.07	2	306.4	309.3	315.0	310.5	303.8	294.8
Miscellaneous manufactures	1.62	1	249.3	248.1	246.3	245.4	252.7	257.4
DURABLE MANUFACTURES	39.09	3	176.5	180.1	185.5	188.0	191.3	193.3
Wood products	6.54	2	159.4	163.5	167.7	166.2	173.5	171.5
Saw and planing mills	4.48	3	172.7	178.9	184.4	181.3	191.4	188.1
Veneers and plywoods	0.38	3	376.9	377.4	404.5	416.6	415.0	391.0
Sawmills	3.08	4	161.7	170.2	173.5	166.3	179.2	176.4
Furniture	1.43	2	152.3	152.2	153.8	156.2	157.1	158.5
Iron and steel products	12.49	2	160.6	164.6	168.5	171.7	174.4	173.9
Machinery	2.64	1	158.2	160.6	163.0	164.8	167.4	169.7
Iron castings	1.20	3	141.3	151.0	157.1	161.4	177.6	170.1
Primary iron and steel	2.62	2	220.0	225.2	240.9	245.4	240.7	233.9
Sheet metal products	1.11	1	152.5	150.7	154.6	155.5	162.5	165.9
Transportation equipment	8.23	4	179.7	192.8	204.7	209.2	207.4	209.7
Aircraft and parts	0.63	1	234.3	245.3	257.2	256.6	261.7	260.5
Motor vehicles	3.21	4	253.9	276.0	299.5	305.7	299.4	304.5
Motor vehicle parts	1.43	2	181.6	193.6	203.0	214.9	216.9	218.8
Railway rolling stock	1.93	1	41.8	43.4	44.4	44.7	44.7	45.4
Shipbuilding and repairs	0.81	1	189.4	198.8	195.1	195.0	195.1	194.6
Non-ferrous metal products	4.97	3	151.7	151.2	148.9	148.8	153.3	157.5
Brass and copper products ...	0.75	1	135.8	135.8	138.6	140.4	144.0	146.6
Smelting and refining	3.19	3	164.9	165.1	160.6	159.2	163.6	169.6
Electrical apparatus and supplies	4.40	2	223.3	222.5	231.6	233.0	233.2	229.8
Heavy electrical machinery ..	1.52	1	150.1	148.9	151.1	155.0	156.7	157.5
Telecommunication equipment	0.44	3	557.5	553.0	592.8	591.4	590.9	549.1
Refrigerators and appliances	0.71	3	225.8	224.8	247.3	237.8	220.3	223.1
Non-metallic mineral products	2.46	2	257.6	242.5	247.0	255.8	272.9	302.1
Concrete products	0.30	4	745.4	637.4	682.0	783.6	890.8	998.1
Hydraulic cement	0.36	5	244.9	264.6	247.7	192.5	228.2	309.1
Domestic clay products	0.24	3	145.1	138.5	141.1	127.7		
ELECTRIC POWER AND GAS UTILITIES	5.11	2	373.1	376.6	390.8	403.7	391.2	392.1
Electric power	4.60	2	340.7	349.4	364.9	374.2	360.0	360.1
Gas	0.51	3	663.6	620.4	622.7	668.5	670.7	

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962		1963		1963	
	1962	1963	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL	186.0	196.2	182.2	183.2	191.2	200.1	201.3	211.3
MINING, TOTAL	287.4	296.3	274.2	277.9	287.3	297.2	303.6	309.8
Metals	197.7	194.7	179.0	169.9	177.0	184.2	194.9	196.9
Gold	100.1	95.5	97.2	94.0	98.7	88.8	86.3	85.2
Copper	176.7	175.4	174.9	158.7	158.9	163.6	172.8	162.7
Iron ore	632.5	670.8	386.0	325.4	356.1	607.1	472.4	546.6
Nickel	184.2	174.8	189.5	167.7	181.1	177.4	163.9	185.2
Non-metals	222.5	228.1	190.7	201.0	203.1	221.9	207.7	221.8
Asbestos	234.1	239.1	197.7	216.4	220.3	225.8	222.9	243.5
Fuels	480.8	514.7	505.5	540.8	555.2	561.1	575.7	587.1
Coal	48.8	52.0	55.2	63.7	61.1	59.2	62.6	59.1
Natural gas	1,005.7	1180.7	1243.7	1352.7	1384.4	1432.4	1500.6	1502.3
Petroleum	1,154.0	1224.7	1186.7	1259.2	1300.6	1315.0	1342.9	1382.0
MANUFACTURING, TOTAL	164.9	174.1	160.3	158.9	166.8	174.5	174.3	185.0
NON-DURABLE MANUFACTURES	164.8	172.5	158.5	155.0	162.9	171.1	167.7	179.9
Food and beverages	158.9	162.9	149.2	130.1	139.7	154.1	138.0	153.5
Foods	154.8	158.1	144.9	133.6	138.9	152.6	142.7	149.2
Meat products	159.2	163.6	144.0	156.1	159.9	157.6	178.2	178.4
Dairy products	159.3	163.5	138.2	131.1	137.7	144.0	134.5	140.3
Canning and processing	164.7	170.2	142.2	79.3	95.0	138.9	83.5	104.5
Grain mill products	137.5	143.2	131.7	129.8	143.4	153.6	159.0	163.3
Bakery products	145.4	142.8	144.2	145.9	130.8	144.4	133.5	134.3
Miscellaneous foods	158.3	162.8	160.6	147.5	159.8	172.5	162.6	167.7
Beverages	171.9	177.8	163.0	119.2	142.2	158.7	123.2	167.0
Carbonated beverages	173.0	179.4	180.0	144.2	137.6	167.3	139.1	159.9
Breweries	156.3	159.9	154.0	86.0	127.6	151.4	84.2	152.0
Distilleries	210.0	220.3	168.8	167.5	183.3	170.4	193.7	214.3
Tobacco and tobacco products ..	203.7	207.7	184.2	195.8	224.6	188.2	199.6	203.5
Rubber products	167.6	190.5	164.8	170.4	202.1	188.0	186.4	242.7
Leather products	126.7	127.0	114.8	130.7	139.7	117.9	128.5	143.7
Boots and shoes	137.7	136.9	114.4	143.0	155.6	119.2	135.3	
Textiles	146.6	159.5	145.7	148.0	159.7	169.0	163.6	178.8
Cotton goods	105.3	109.6	97.2	100.4	109.0	117.3	115.5	130.4
Wool goods	84.9	89.8	81.7	77.7	89.5	87.4	92.0	94.9
Synthetic textiles and silk	243.6	281.0	245.5	261.6	287.7	302.0	281.0	
Clothing	111.0	116.7	109.7	115.5	119.2	114.9	122.0	128.8
Men's, women's and children's clothing	111.0	113.7	106.0	115.9	118.6	110.3	121.1	127.8

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1962		1963		1963	
	1962	1963	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
Paper products	159.1	164.3	149.0	147.9	151.0	167.2	161.2	171.4
Pulp and paper	158.6	163.8	146.4	146.4	151.7	167.7	161.0	171.4
Printing publishing and allied industries	154.0	156.7	152.5	146.1	151.2	157.2	153.4	153.4
Products of petroleum and coal	272.8	296.0	287.1	289.9	286.9	307.4	319.4	319.4
Petroleum products	294.3	319.7	311.3	312.6	309.3	332.5	319.4	319.4
Chemicals and allied products	233.2	249.1	215.9	223.7	234.8	244.9	258.8	261.4
Acids, alkalies, salts and fertilizers	266.0	302.0	257.5	256.7	273.2	304.3	304.1	304.1
Miscellaneous manufactures	237.2	246.6	245.9	234.0	233.1	252.8	244.9	244.9
DURABLE MANUFACTURES	165.0	175.9	162.4	163.4	171.4	178.5	181.9	181.9
Wood products	151.5	159.0	138.8	142.9	163.4	146.6	159.1	159.1
Saw and planing mills	161.1	172.1	141.9	150.1	181.5	152.4	172.4	172.4
Veneers and plywoods	329.8	358.8	336.5	334.3	375.4	373.3	395.5	395.5
Sawmills	149.6	162.3	123.3	137.1	177.6	131.2	158.2	158.2
Furniture	152.5	153.0	156.4	150.6	146.2	158.5	153.6	153.6
Iron and steel products	152.1	161.7	145.5	146.1	155.7	155.6	161.1	161.1
Machinery	149.1	160.2	158.7	155.6	154.4	163.6	163.7	163.7
Iron castings	135.5	151.1	99.8	125.8	159.9	129.1	164.3	164.3
Primary iron and steel	193.0	216.9	176.7	189.8	205.9	210.8	220.5	220.5
Sheet metal products	157.3	156.9	147.9	144.2	146.3	147.7	146.6	146.6
Transportation equipment	156.7	181.4	172.9	183.4	183.9	217.1	219.1	219.1
Aircraft and parts	260.0	233.8	229.4	229.9	232.9	258.4	263.8	263.8
Motor vehicles	206.9	257.6	243.9	270.1	269.2	330.2	332.3	332.3
Motor vehicle parts	146.6	179.5	169.5	169.9	171.1	214.0	218.9	218.9
Railway rolling stock	41.5	41.1	40.9	40.0	39.4	43.9	43.9	43.9
Shipbuilding and repairs	186.9	197.2	187.2	190.9	197.3	182.5	181.4	181.4
Non-ferrous metal products	148.9	148.8	146.8	147.4	147.1	150.2	153.7	153.7
Brass and copper products ...	126.9	133.4	123.1	123.4	124.1	139.0	140.4	140.4
Smelting and refining	164.2	161.6	161.3	163.9	163.3	160.8	166.5	166.5
Electrical apparatus and supplies	212.9	223.5	217.2	211.8	220.6	230.0	226.1	226.1
Heavy electrical machinery ..	149.8	154.3	159.4	156.4	153.9	156.5	155.3	155.3
Telecommunication equipment	524.1	547.1	508.3	477.2	551.4	561.8	556.6	556.6
Refrigerators and appliances	198.4	221.7	208.3	202.6	221.9	225.7	210.6	210.6
Non-metallic mineral products	240.9	243.2	208.6	183.7	179.8	215.0	202.0	202.0
Concrete products	655.0	652.3	446.2	351.0	350.5	535.2	472.1	472.1
Hydraulic cement	241.9	246.0	196.1	145.9	138.1	128.6	128.5	128.5
Domestic clay products	148.1	138.2	147.8	106.7	101.0	122.8	122.8	122.8
ELECTRIC POWER AND GAS UTILITIES	337.7	367.5	364.7	400.0	407.0	433.9	448.6	448.6
Electric power	313.1	339.2	327.6	346.7	345.4	391.8	389.2	389.2
Gas	558.3	621.6	698.5	878.5	959.7	811.6	981.2	981.2

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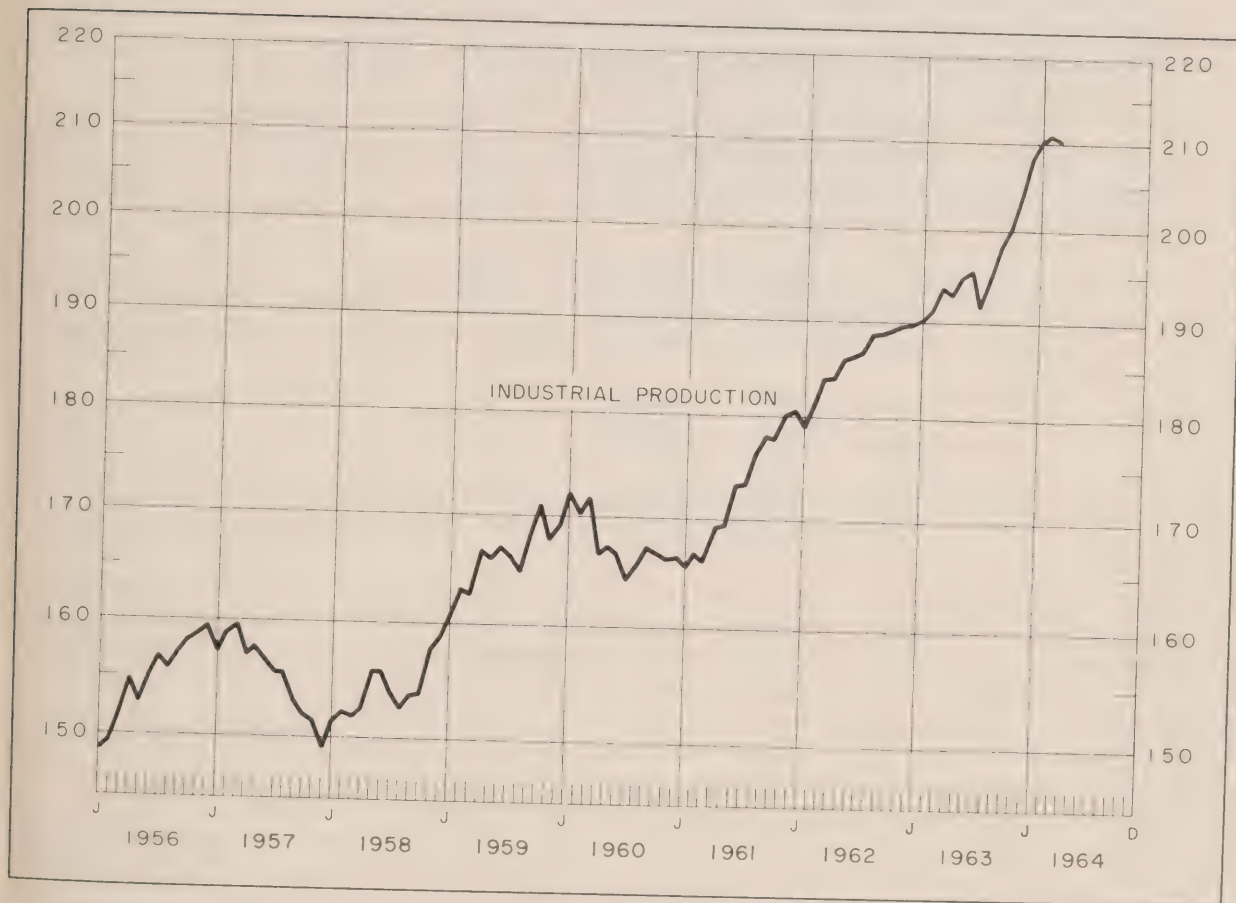
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MARCH 1964

The seasonally adjusted index of industrial production declined by 0.9 per cent in March.



Industrial Output Section
National Accounts and Balance of Payments Division

v 1964
05-502

The seasonally adjusted index of industrial production*declined by 0.9% in March, as both manufacturing and mining fell, by about 1% and 3% respectively. These drops were partially offset by a gain of 3% in electric power and gas utilities. With this latest movement, the total index of production in the first quarter was higher by 3.5% than in the fourth quarter.

Almost all of the decline in manufacturing occurred in non-durables in March, where output fell by 1.8%. In turn, about three-fourths of the drop in non-durables originated in foods and beverages and followed an unusually large gain in this component in February. In addition leather, rubber and tobacco products showed relatively large declines, the latter for the second consecutive month. The paper products industry was marginally higher in March as a gain in pulp and paper was almost offset by a large drop in the unpublished roofing paper component. Textiles, petroleum products and chemicals were higher in the month.

Although durables were only slightly lower in March, there was a large decline in non-metallic mineral products. This pattern of relative weakness in the construction materials-producing industries in March was fairly widespread and again followed large gains in the last several months, particularly February. Wood products also fell by more than 1%. Small movements were recorded in both non-ferrous metal products and electrical apparatus and supplies. In iron and steel products, heating and cooking apparatus and primary iron and steel showed good gains to bring this group up by about 1%. With motor vehicles continuing to expand, transportation equipment was up by about 2%.

About two thirds of the decline in total mining was due to metals, largely in turn the result of a drop in other metals (uranium). Gains occurred in gold, iron ore and copper, while nickel, zinc and lead were lower. Fuel mining also fell by about 2%.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production".

2. It has been established that the monthly clothing index has been seriously understating annual production levels since the mid-to late 1950's. Circumstances prevent a complete evaluation of the needed correction, both in this and other industry areas, at this time and the following interim solution has been adopted. A preliminary annual level for the clothing industry group is being published for the year 1963. Commencing with January, 1963, the monthly projector is based on a deflated value series. Thus users will note a break in this series between the period prior to and subsequent to January, 1963. In addition, no detail other than the total clothing group index can be published. For purposes of weighting this industry with other major groups to obtain various production aggregates, the clothing index at the uncorrected level will be used. To do otherwise would upset comparability of aggregates at higher levels.

3. For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the attached March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.

* The attached supplement contains revisions to Industrial Production for 1963.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963			1964		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL	100.00	1	200.2	203.5	207.7	210.8	212.1	210.2
MINING, TOTAL	10.07	2	303.0	305.1	311.8	335.2	323.1	314.0
Metals	5.97	2	193.2	200.9	203.7	223.7	223.8	213.7
Gold	1.93	5	95.8	94.1	89.4	87.7	84.4	86.4
Copper	1.10	4	194.8	182.6	170.9	189.1	172.9	175.7
Iron ore	0.31	3	620.8	780.4	948.6	891.3	1017.0	1055.5
Nickel	1.05	4	170.5	161.3	176.0	165.6	185.2	171.4
Non-metals	0.85	5	233.0	244.5	243.9	231.5	234.8	230.2
Asbestos	0.59	5	245.9	257.7	250.9	242.5	245.5	238.8
Fuels	2.84	3	543.1	531.7	542.7	571.8	530.8	521.5
Coal	1.72	6	45.8	47.8	49.7	52.3	52.8	57.1
Natural gas	0.11	2	1264.0	1270.9	1224.3	1169.6	1216.0	1167.3
Petroleum	1.02	3	1305.4	1269.6	1302.0	1384.9	1263.6	1236.3
MANUFACTURING, TOTAL	84.83	3	177.4	180.2	183.5	185.2	188.6	186.6
NON-DURABLE MANUFACTURES	45.74	3	175.2	175.9	180.1	179.7	184.1	180.8
Foods and beverages	11.83	4	164.5	165.3	166.6	171.8	180.0	170.2
Foods	8.99	4	161.8	159.6	163.2	168.5	173.0	166.7
Meat products	1.62	4	164.6	169.1	175.3	180.2	178.8	163.7
Dairy products	1.40	3	161.4	161.8	169.4	169.0	168.2	168.5
Canning and processing	1.40	4	186.7	167.7	158.2	164.0	197.9	193.0
Grain mill products	1.00	4	152.6	157.5	163.5	194.3	192.3	186.7
Bakery products	1.73	3	137.3	135.1	134.8	143.1	143.0	141.3
Miscellaneous foods	1.83	4	168.6	167.5	178.4	171.0	170.6	161.0
Beverages	2.85	6	173.1	183.3	177.5	182.1	201.9	181.3
Carbonated beverages	0.72	6	176.7	200.0	169.0	171.7	196.0	177.3
Breweries	1.44	6	151.6	163.7	168.2	158.9	183.1	176.9
Distilleries	0.63	6	221.9	214.3	213.0	248.3	257.3	200.1
Tobacco and tobacco products ..	0.77	6	196.2	206.4	209.1	209.2	199.5	178.8
Rubber products	1.33	3	195.9	192.5	207.7	201.1	226.4	209.2
Leather products	1.58	2	128.5	132.3	128.4	125.1	132.4	125.0
Boots and shoes	0.95	4	140.8	145.7	138.3	131.1	141.3	130.8
Textiles	5.04	3	168.1	163.4	172.1	168.1	169.8	172.4
Cotton goods	1.57	4	114.8	115.2	121.4	117.4	121.0	108.3
Wool goods	0.93	3	99.0	89.1	90.9	104.5	94.3	93.0
Synthetic Textiles and Silk	1.33	3	298.6	286.3	308.2	283.3	283.7	
Clothing	5.59	3	142.4	136.3	146.6	132.3	135.4	131.2
Paper products	8.22	3	165.3	168.8	175.4	172.8	176.3	176.4
Pulp and paper	6.54	3	164.7	168.9	176.5	171.6	172.8	174.9

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 propor- tions	MCD	Seasonally adjusted					
			1963			1964		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES - Concluded:								
Printing publishing and allied industries	3.95	4	159.7	155.9	157.4	162.0	159.7	160.3
Products of petroleum and coal	1.59	3	308.2	302.9	308.0	299.7	300.8	302.3
Petroleum products	1.41	3	333.4	327.5	332.2	323.0		
Chemicals and allied products	4.22	2	251.4	262.9	263.1	269.3	273.0	275.0
Acids, alkalies, salts and fertilizers	1.07	2	309.3	315.0	310.5	303.8	310.7	304.2
Miscellaneous manufactures	1.62	1	248.1	246.3	245.1	252.3	258.6	261.0
DURABLE MANUFACTURES	39.09	3	179.9	185.2	187.6	191.6	193.8	193.5
Wood products	6.54	2	163.5	165.9	165.6	173.1	171.3	169.5
Saw and planing mills	4.48	3	178.9	181.7	180.4	191.1	187.5	184.1
Veneers and plywoods	0.38	3	377.4	404.5	405.8	415.0	391.0	401.5
Sawmills	3.08	4	170.2	169.6	166.3	178.9	176.2	170.7
Furniture	1.43	2	152.2	153.8	156.1	156.6	158.7	160.6
Iron and steel products	12.49	2	164.5	168.7	171.4	176.2	176.6	178.3
Machinery	2.64	1	160.6	163.0	164.8	167.6	171.6	173.2
Iron castings	1.20	3	151.0	157.1	161.4	177.6	170.1	157.4
Primary iron and steel	2.62	2	225.2	240.9	245.4	240.7	233.9	241.6
Sheet metal products	1.11	1	153.0	154.6	158.1	161.8	164.6	164.5
Transportation equipment	8.23	4	192.2	204.7	209.2	207.4	208.2	211.9
Aircraft and parts	0.63	1	245.3	257.2	255.7	261.7	259.7	258.1
Motor vehicles	3.21	4	276.0	299.5	305.7	299.4	304.5	318.0
Motor vehicle parts	1.43	2	193.6	203.0	214.9	216.9	215.4	212.2
Railway rolling stock	1.93	1	43.4	44.4	44.7	44.7	46.1	46.5
Shipbuilding and repairs	0.81	1	192.6	195.1	195.2	195.4	184.1	175.6
Non-ferrous metal products	4.97	3	151.2	149.3	148.8	153.3	157.9	159.2
Brass and copper products ...	0.75	1	135.8	138.6	140.4	144.0	147.6	148.1
Smelting and refining	3.19	3	165.1	160.6	159.2	163.6	169.6	171.1
Electrical apparatus and supplies	4.40	2	222.5	230.8	232.5	232.9	229.1	228.5
Heavy electrical machinery ..	1.52	1	148.9	151.1	155.0	156.7	158.8	160.1
Telecommunication equipment	0.44	3	553.0	592.8	589.2	590.9	545.8	528.4
Refrigerators and appliances	0.71	3	224.8	243.5	235.7	218.7	218.5	212.4
Non-metallic mineral products	2.46	2	242.5	246.4	253.7	269.3	302.1	279.1
Concrete products	0.30	4	637.4	682.0	783.6	890.8	998.2	819.6
Hydraulic cement	0.36	5	264.6	247.7	192.5	228.2	309.1	284.9
Domestic clay products	0.24	3	138.5	141.1	127.7	126.2	152.4	
ELECTRIC POWER AND GAS UTILITIES	5.11	2	376.3	390.6	403.8	391.2	384.7	396.4
Electric power	4.60	2	349.4	364.9	374.2	360.0	360.5	367.9
Gas	0.51	3	618.0	621.0	668.9	670.7	601.3	652.2

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1963			1964		
	1962	1963	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL ..	186.0	195.9	182.6	190.7	192.0	202.1	210.8	208.9
MANUFACTURING, TOTAL	287.4	294.4	278.0	286.5	286.4	320.1	312.7	299.5
Metals	197.7	193.8	169.7	176.0	181.2	198.6	199.7	188.4
Gold	100.1	95.5	94.2	98.7	95.6	86.3	85.2	85.9
Copper	176.7	174.0	158.1	159.0	167.4	172.8	162.7	171.0
Iron ore	632.5	670.8	325.4	356.1	437.5	472.4	549.2	614.3
Nickel	184.2	171.0	166.6	176.7	177.1	163.9	135.2	171.9
Non-ferrous metals	222.5	228.1	201.0	203.1	210.1	207.7	221.8	225.8
Asbestos	234.1	239.1	216.4	220.3	228.3	222.9	243.5	246.0
Fuels	480.8	513.6	543.2	557.6	541.0	620.5	584.5	554.3
Coal	48.8	52.0	63.7	61.1	48.5	62.6	59.1	54.2
Natural gas	1,005.7	1,179.8	1371.3	1395.9	1235.8	1500.6	1532.2	1365.7
Petroleum	1,154.0	1,221.6	1264.0	1306.0	1298.0	1468.0	1372.3	1311.7
MANUFACTURING, TOTAL	164.9	173.9	158.2	166.3	169.4	173.2	184.8	185.0
DURABLE MANUFACTURES	164.8	172.2	153.8	162.6	168.4	165.5	179.2	178.7
Food and beverages	158.9	162.1	129.7	139.5	144.8	140.2	154.7	151.2
Food	154.8	157.2	133.0	138.6	138.9	145.6	150.8	146.2
Meat products	159.2	163.6	156.1	159.9	161.8	173.2	178.4	166.3
Dairy products	159.3	163.5	131.1	137.7	147.4	134.5	141.6	152.8
Canning and processing	164.7	165.4	83.7	96.0	83.0	83.5	105.4	92.4
Grain mill products	137.5	145.9	134.2	143.4	143.6	186.9	190.8	187.0
Bakery products	145.4	138.8	132.2	130.9	129.6	132.1	131.1	130.6
Miscellaneous foods	158.3	164.3	152.0	158.1	157.4	163.0	165.1	156.8
Beverages	171.9	177.6	119.1	142.0	163.5	123.2	166.7	167.0
Carbonated beverages	173.0	178.7	143.6	137.1	136.6	139.1	159.9	138.3
Breweries	156.3	159.9	86.0	127.6	160.5	84.2	152.0	176.2
Distilleries	210.0	220.3	167.5	183.3	206.5	193.7	214.3	185.3
Tobacco and tobacco products	203.7	207.7	195.8	224.6	219.0	199.6	203.5	183.6
Textile products	167.6	190.5	170.4	202.1	204.9	186.4	242.7	218.2
Other products	126.7	127.0	130.7	139.7	139.2	128.4	145.8	137.6
Hats and shoes	137.7	136.9	143.0	155.6	157.4	135.3	161.6	150.9
Woolen goods	146.6	159.5	148.0	159.7	162.0	163.6	178.7	180.5
Cotton goods	105.3	109.6	100.4	109.0	109.6	115.5	130.4	116.9
Wool goods	84.9	89.8	77.7	89.5	84.2	92.0	94.9	80.8
Synthetic textiles and silk	243.6	281.0	261.6	287.7	298.3	281.0	310.9	
Leather and leather products	111.0	137.0(1)	125.8	137.8	142.6	119.7	138.8	137.8
Other products	159.1	164.3	147.9	151.0	161.2	161.2	173.0	175.3
Printed matter and paper	158.6	163.8	146.4	151.7	163.1	161.0	173.8	177.2

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1963			1964		
	1962	1963	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing publishing and allied industries	154.0	156.7	146.1	151.2	157.4	153.4	158.7	163
Products of petroleum and coal	272.8	296.0	288.9	286.9	297.7	305.5	308.5	300
Petroleum products	294.3	319.7	312.6	309.3	321.6	330.4		
Chemicals and allied products	233.2	249.1	222.9	234.8	244.8	260.4	273.7	282
Acids, alkalies, salts and fertilizers	266.0	302.0	256.7	273.2	299.6	304.1	321.0	340
Miscellaneous manufactures	237.2	246.6	234.0	233.1	235.5	244.5	248.3	251
DURABLE MANUFACTURES	165.0	175.9	163.4	170.7	170.6	182.2	191.4	192
Wood products	151.5	159.0	142.9	163.4	161.7	158.8	177.2	175
Saw and planing mills	161.1	172.1	150.1	181.5	179.3	172.1	199.4	195
Veneers and plywoods	329.8	358.8	334.3	375.4	354.8	395.5	420.3	417
Sawmills	149.6	162.3	137.1	177.6	176.4	158.0	194.5	185
Furniture	152.5	153.0	150.6	146.2	145.1	153.2	151.1	151
Iron and steel products	152.1	161.8	146.1	155.7	158.8	162.8	171.6	175
Machinery	149.1	160.2	155.6	154.4	154.9	163.9	166.3	166
Iron castings	135.5	151.1	125.8	159.9	175.4	164.3	176.2	171
Primary iron and steel	193.0	216.9	189.8	205.9	207.2	220.5	229.2	236
Sheet metal products	157.3	156.9	144.3	146.3	148.8	145.9	149.5	152
Transportation equipment	156.7	181.4	183.4	183.9	180.5	219.2	224.3	221
Aircraft and parts	260.0	233.8	229.9	232.9	230.0	263.8	264.9	261
Motor vehicles	206.9	257.6	270.1	269.2	258.8	332.3	346.2	354
Motor vehicle parts	146.6	179.5	169.9	171.1	172.8	218.9	217.8	216
Railway rolling stock	41.5	41.1	40.0	39.4	39.0	43.9	44.9	44
Shipbuilding and repairs	186.9	197.2	190.9	197.3	203.1	181.7	178.2	171
Non-ferrous metal products	148.9	148.8	147.4	147.1	145.6	153.7	158.0	151
Brass and copper products ...	126.9	133.4	123.4	124.1	125.3	140.4	143.9	141
Smelting and refining	164.2	161.6	163.9	163.3	160.5	166.5	172.1	171
Electrical apparatus and supplies	212.9	223.5	211.8	220.6	216.2	225.9	228.8	221
Heavy electrical machinery ..	149.8	154.3	156.4	153.9	151.7	155.3	154.4	151
Telecommunication equipment	524.1	546.9	477.2	551.4	513.3	556.6	572.0	521
Refrigerators and appliances	198.4	221.6	202.6	221.9	228.6	209.1	224.0	221
Non-metallic mineral products	240.9	243.0	183.7	179.8	189.5	199.3	220.0	211
Concrete products	655.0	652.3	351.0	350.5	431.2	472.1	560.0	561
Hydraulic cement	241.9	246.0	145.9	138.1	149.5	128.5	175.9	171
Domestic clay products	148.1	136.7	106.7	101.0	103.9	95.5	115.5	
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	399.9	406.8	380.0	448.6	441.8	421
Electric power	313.1	339.2	346.7	345.4	332.4	389.2	386.1	371
Gas	558.3	625.3	876.6	957.6	807.4	981.3	941.6	871

ANNUAL SUPPLEMENT TO THE MONTHLY INDEX OF INDUSTRIAL PRODUCTION, (1949 = 100)

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Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

PART I

Index of Industrial Production

Note to Users

This annual supplement contains the latest revisions to the Index of Industrial Production. This year, revisions were made from January 1963. They consisted of output-per-manhour changes in some of the manhour represented industries, changes to seasonal factors, and other raw data revisions.

Among the latter type, two specific changes are significant enough to warrant special comment. The first concerns the index for the clothing industries. It has been established that this monthly index has been seriously understating annual production levels since the mid-fifties. Circumstances prevent a complete evaluation of the needed corrections, both in this and other industry areas, at this time and the following interim solution has been adopted: a preliminary annual level for the clothing industry group is being published for the year 1963; commencing with January, 1963, the monthly projector is based on a deflated value series. Thus users will note a break in this series between the periods prior to and subsequent to January, 1963. Further, no detail other than the total clothing group index can be published. For purposes of weighting this industry with other major groups to obtain various production aggregates, the clothing index at the uncorrected level is being used. To do otherwise would cause breaks in the continuity of aggregates at higher levels.

The other case concerns the published acids, alkalies, salts and fertilizers component of the chemicals group. Up to the present time, the monthly projector for this series has been an index of manhours, adjusted for broad changes in output per manhour. Some years ago, DBS instituted a new monthly commodity survey in this area, and there is now a sufficiently long run of data to obtain seasonal factors. This has now been done and the new, more sensitive, production series has been substituted beginning in January, 1964.

CHART - 1

MANUFACTURING OUTPUT, BY MONTHS,
1953 - 1963
(SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

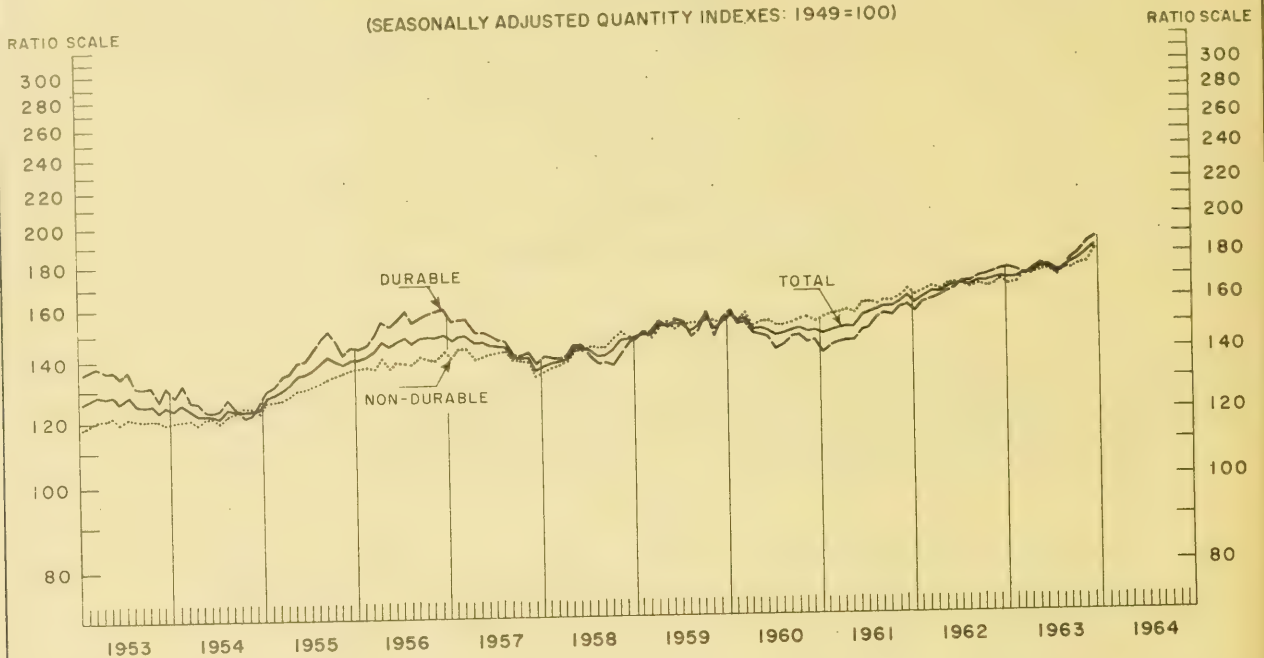


CHART - 2

MINING OUTPUT, BY MONTHS,
1953 - 1963
(SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

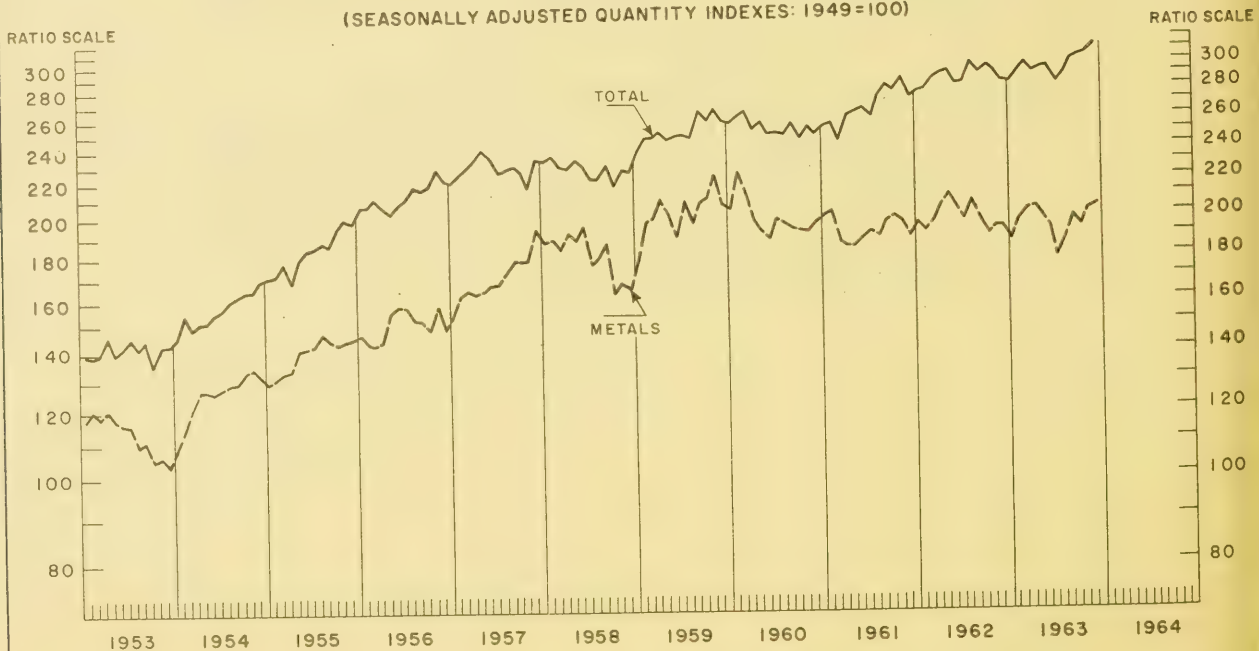


TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963

	Index of Industrial Production	Mining									
		Mining total	Metals					Non-metals		Fuels	
			Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
Adjusted for seasonal variation											
56 D	159.3	220.1	147.6	107.3	336.3	132.2	140.2	172.6	168.8	387.6	70.0
57 J	157.2	219.3	152.5	104.4	428.7	122.0	148.7	187.9	188.0	366.9	65.6
F	158.9	223.6	160.9	107.9	441.7	140.7	144.7	189.8	190.3	357.3	71.2
M	159.5	228.6	163.6	108.5	480.7	132.1	146.4	180.9	186.4	364.8	65.9
A	156.9	232.0	162.7	106.1	454.0	131.8	144.7	186.6	187.4	386.4	67.5
M	157.7	239.3	163.4	106.8	448.0	124.6	146.6	184.9	188.9	412.3	64.9
J	156.4	234.8	166.1	105.8	472.6	126.2	146.9	189.7	191.7	387.6	64.9
J	155.4	225.1	166.9	105.3	468.1	121.9	148.0	176.0	183.6	357.7	61.4
A	155.3	227.1	172.3	105.2	448.1	137.3	153.9	169.2	171.0	355.7	64.5
S	152.9	229.1	178.2	107.4	460.3	150.0	150.2	174.0	181.8	347.6	65.1
O	151.8	225.4	177.7	108.1	454.8	141.3	147.7	172.3	182.7	336.5	68.7
N	151.3	215.4	177.8	106.5	353.5	159.3	140.6	163.0	173.8	303.2	62.0
D	149.1	232.2	192.9	107.9	602.6	153.7	143.4	182.1	193.2	322.1	62.0
8 J	151.3	231.5	186.3	108.8	430.9	148.4	149.2	159.9	166.2	334.6	61.5
F	152.2	234.9	187.7	110.0	416.1	146.7	152.2	170.6	176.6	349.0	62.8
M	151.8	228.8	183.1	112.5	317.4	145.8	143.8	164.5	167.1	331.7	58.0
A	152.5	227.1	190.9	109.4	382.1	154.1	143.4	155.6	161.5	311.2	58.4
M	155.7	231.0	187.7	108.4	299.2	152.4	137.5	157.6	160.5	326.3	56.6
J	153.9	229.7	194.0	112.3	319.0	151.3	138.9	159.8	165.9	313.6	54.9
J	152.6	220.4	175.7	109.9	317.0	145.0	119.5	162.5	171.6	320.1	55.7
A	153.8	229.3	178.9	111.3	306.9	140.7	119.8	171.5	180.0	309.0	39.8
S	153.9	229.3	186.1	108.6	324.7	122.5	113.3	181.1	192.0	322.5	52.2
O	157.8	217.1	162.0	109.0	296.6	101.7	34.9	199.1	205.6	323.0	56.0
N	158.7	225.1	167.7	108.5	256.9	92.1	30.7	184.8	194.7	346.9	56.7
D	158.7	224.6	163.6	107.0	316.0	85.5	31.4	169.5	168.4	361.9	60.7
9 J	160.7	236.5	178.3	108.0	347.2	111.4	73.1	175.5	175.0	367.7	59.0
F	163.1	246.0	196.4	109.2	366.4	138.5	122.5	187.9	188.3	353.9	45.9
M	162.7	246.4	198.5	108.3	427.4	140.4	136.8	191.6	189.1	352.2	44.2
A	166.7	250.1	208.4	108.3	502.1	152.2	146.6	184.9	181.8	343.7	58.6
M	166.0	245.3	200.8	113.1	432.1	151.1	151.6	184.8	186.1	347.3	39.4
J	167.0	247.3	189.6	100.7	423.4	164.2	153.5	217.4	222.2	367.5	47.9
J	166.2	247.4	206.1	110.6	388.0	167.9	149.8	203.2	207.1	334.4	57.1
A	164.8	246.0	196.7	105.3	403.8	163.3	150.3	183.4	184.4	359.8	48.0
S	168.3	263.5	205.6	106.8	459.0	157.1	154.6	186.5	182.7	399.6	57.1
O	171.0	258.8	209.2	107.7	486.3	164.9	162.4	193.3	195.6	373.4	54.0
N	167.8	264.1	221.4	114.9	697.3	159.5	163.9	196.0	202.0	368.7	54.3
D	169.2	257.1	205.7	106.9	400.9	157.0	178.7	176.9	180.6	379.4	53.9
10 J	172.1	256.5	203.2	110.9	398.0	164.8	159.8	188.1	193.9	383.0	52.6
F	170.2	260.6	223.1	109.0	443.1	171.9	156.3	194.7	201.6	351.7	54.1
M	171.8	263.2	210.0	108.6	437.2	170.5	164.7	190.4	200.0	394.9	63.9
A	166.6	251.5	197.4	104.7	412.2	160.8	164.9	191.1	203.2	380.6	44.4
M	167.2	256.4	192.1	109.2	499.8	174.1	157.4	202.0	214.1	405.7	47.6
J	166.6	249.0	188.6	112.5	438.0	166.6	168.5	194.9	209.1	384.3	53.7
J	164.3	249.7	198.4	114.2	444.4	175.8	168.5	180.4	187.7	371.0	54.6
A	165.6	249.1	195.5	113.1	480.9	174.9	173.1	185.1	194.3	371.1	59.2
S	167.2	255.1	193.5	109.7	344.4	156.7	175.7	192.1	203.5	393.8	60.8
O	166.7	245.6	192.3	113.2	315.3	164.7	167.6	186.5	186.2	365.2	51.8
N	166.1	252.2	191.2	110.4	277.5	173.3	168.8	194.9	196.3	386.8	54.6
D	166.3	248.7	196.3	111.5	465.7	175.9	184.1	203.4	210.5	366.0	44.0
11 J	165.6	253.8	199.8	110.4	553.5	165.5	170.3	207.5	215.8	370.6	46.0
F	166.7	255.3	200.8	109.3	543.4	161.2	170.1	218.2	239.5	370.9	47.6
M	166.0	243.6	185.5	109.8	483.7	158.9	161.3	204.8	219.0	366.1	46.7
A	169.2	260.2	184.0	111.8	465.4	165.7	157.4	205.8	216.9	426.1	49.1
M	169.4	262.8	184.0	107.5	445.3	166.3	182.1	203.5	222.2	435.4	58.8
J	173.3	264.9	187.6	105.6	439.4	171.9	178.2	216.0	232.7	434.0	58.9
J	173.4	260.1	190.3	103.2	565.0	174.3	192.9	206.9	219.8	414.8	48.6
A	176.4	273.9	188.8	106.6	543.4	173.6	181.9	216.1	228.2	456.7	46.8
S	178.1	281.6	196.0	103.3	489.4	169.6	201.9	207.8	212.5	470.7	51.3
O	177.9	278.4	199.8	101.3	551.5	188.8	206.8	210.7	214.2	450.1	50.7
N	180.1	287.1	196.7	102.6	441.0	179.5	215.3	204.6	207.7	493.8	48.9
D	180.5	273.3	189.2	107.9	537.9	171.8	188.4	226.8	231.2	453.7	49.0
12 J	179.1	276.2	195.1	101.7	608.6	158.4	196.2	224.9	239.9	458.0	48.5
F	181.4	277.6	191.0	100.4	566.3	165.1	189.5	217.3	233.7	469.1	46.7
M	183.9	287.4	196.5	103.2	610.0	170.5	201.3	223.3	238.2	488.3	58.6
A	184.0	290.7	203.4	102.5	755.2	166.2	188.8	226.1	237.6	471.3	40.3
M	186.1	291.0	209.6	99.0	782.9	172.3	190.7	222.4	238.9	467.6	51.3
J	186.3	281.5	202.8	97.5	673.4	176.2	177.9	223.8	237.3	450.2	56.4
J	186.7	282.7	197.5	97.8	626.2	178.9	175.9	227.5	238.9	463.4	53.6
A	188.7	299.9	205.5	100.3	674.5	190.5	183.5	234.5	250.6	503.5	53.3
S	188.8	290.6	195.7	102.3	590.3	189.2	179.4	220.1	226.9	497.9	45.8
O	189.1	296.2	189.5	97.2	595.8	179.7	153.4	225.6	234.1	527.1	47.3
N	189.6	291.9	193.2	96.5	613.7	181.4	197.1	210.9	219.9	503.3	45.1
D	189.7	283.6	193.2	97.4	643.3	178.8	189.9	204.6	212.8	484.5	46.3
13 J	190.2	282.0	186.1	95.5	590.6	172.2	167.9	223.9	237.0	488.6	54.8
F	191.3	290.7	195.8	97.1	723.8	166.3	180.7	211.7	217.0	504.5	56.4
M	193.5	298.3	201.8	94.8	795.5	171.5	178.9	210.5	216.8	518.0	52.0
A	192.9	290.8	202.5	93.1	750.4	177.7	189.2	208.8	223.8	489.8	53.7
M	194.7	293.4	198.2	100.2	654.6	169.1	179.3	230.7	239.7	499.1	54.1
J	195.1	294.8	193.8	101.0	630.0	174.3	167.5	219.8	226.7	517.9	53.7
J	191.9	281.5	178.7	93.7	567.5	165.8	143.8	220.2	233.3	503.4	50.4
A	194.9	289.4	187.2	97.7	567.4	172.1	168.4	240.5	256.9	511.0	55.7
S	198.1	300.8	198.7	100.0	698.3	188.1	169.0	238.6	254.4	521.5	51.1
O	200.2	303.0	193.2	95.8	620.8	194.8	170.5	233.0	245.9	543.1	45.8
N	203.5	305.1	200.9	94.1	780.4	182.6	161.3	244.5	257.7	531.7	47.8
D	207.7	311.8	203.7	88.4	948.6	170.9	176.0	243.9	250.9	542.7	49.7

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, 1956-1963										
	Mining		Manufacturing total	Non-durable manufacturing						
	Fuels			Non-durable manufacturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
Adjusted for seasonal variation										
1956 D	264.2	937.5	148.9	141.3	138.2	135.9	147.5	132.3	149.5	120.
1957 J	263.7	887.1	146.2	139.9	132.2	129.6	132.3	130.9	143.2	116.
F	263.8	850.8	147.7	142.4	136.2	134.2	146.7	133.9	146.3	118.
M	254.7	881.6	147.9	142.7	135.7	133.2	144.1	134.8	143.3	117.
A	286.5	935.9	144.2	139.5	129.1	127.2	126.3	132.0	138.8	110.
M	277.1	1,013.8	144.4	139.9	133.5	131.5	137.4	138.5	142.2	112.
J	294.9	942.6	143.6	140.3	136.4	133.9	148.8	138.4	139.4	114.
J	291.0	865.4	143.2	140.8	137.2	133.9	142.8	133.0	150.2	115.
A	305.9	853.0	143.0	141.0	139.0	137.2	152.9	137.5	155.6	118.
S	307.5	829.0	139.8	139.7	137.9	135.8	151.3	138.8	145.4	120.
O	341.9	788.4	138.8	138.2	137.1	134.1	145.1	138.1	142.7	119.
N	341.9	788.4	138.8	138.2	137.1	134.1	145.1	138.1	142.7	119.
D	332.4	707.4	139.0	137.4	135.9	132.9	153.5	139.9	129.0	118.
	340.3	759.5	134.5	132.8	133.2	129.6	147.3	140.5	115.6	118.
1958 J	322.0	797.4	136.7	134.1	136.4	134.6	147.1	141.8	129.7	123.
F	364.6	830.9	137.2	135.7	138.3	134.5	146.1	141.6	130.3	121.
M	379.8	788.9	137.6	138.6	139.2	136.7	147.3	145.9	137.7	121.
A	361.3	732.8	138.7	138.1	140.1	137.7	140.3	141.6	150.0	128.
M	374.3	776.8	142.1	141.2	142.8	140.4	143.7	142.1	150.9	137.
J	391.6	742.3	142.1	141.2	143.0	142.4	150.0	142.4	154.4	129.
J	416.3	756.5	141.1	142.7	141.3	139.3	147.2	140.6	146.8	126.
A	416.2	752.2	139.6	142.3	139.4	139.1	154.9	143.2	135.7	131.
S	474.0	762.9	139.7	142.3	139.6	140.4	150.5	142.4	149.6	127.
O	413.0	764.3	141.4	145.6	145.5	143.6	158.7	143.5	152.8	135.
N	441.7	826.8	144.6	148.7	147.3	144.1	159.6	145.4	150.8	141.
D	486.2	857.4	144.9	145.3	146.0	144.7	173.7	146.6	139.7	134.
1959 J	494.1	875.6	146.0	146.0	143.6	143.0	163.8	144.1	131.6	134.
F	464.3	862.3	147.6	147.5	144.3	143.5	165.3	145.8	125.9	135.
M	453.4	861.5	147.1	146.9	143.4	141.0	169.6	145.7	128.1	125.
A	464.5	812.4	150.9	150.2	150.0	149.2	177.8	143.4	158.3	136.
M	498.2	851.2	150.8	151.3	148.1	145.2	172.1	146.3	141.7	137.
J	502.1	892.9	151.3	149.7	148.4	146.2	168.4	144.2	156.8	130.
J	500.1	785.0	150.9	150.2	146.3	144.5	169.1	144.3	134.9	136.
A	531.8	867.9	148.7	151.2	154.2	145.5	168.3	145.5	147.2	130.
S	556.6	961.3	150.2	151.2	148.3	145.0	175.1	151.2	134.5	122.
O	543.8	894.5	154.1	152.6	148.0	144.5	164.2	149.2	132.8	137.
N	552.9	880.1	149.2	152.6	148.9	146.8	162.6	149.2	155.2	134.
D	507.8	915.3	151.8	151.4	149.4	147.5	161.7	148.7	161.1	130.
1960 J	521.2	926.3	155.1	154.9	151.4	147.8	168.9	156.7	142.6	130.
F	538.8	834.2	152.4	152.8	153.1	149.6	165.8	155.7	157.6	130.
M	579.1	934.1	153.2	154.1	151.6	148.8	162.0	150.3	136.9	130.
A	566.0	928.5	148.9	149.6	147.3	145.8	158.7	153.3	149.2	130.
M	592.5	990.5	149.0	151.1	152.7	149.1	160.2	154.2	169.4	120.
J	594.2	920.2	148.6	151.7	149.6	146.4	157.3	150.4	149.0	130.
J	632.9	877.2	148.1	150.6	149.8	149.2	158.5	148.8	161.6	130.
A	618.6	871.2	146.7	150.4	150.0	144.5	154.2	148.7	142.3	130.
S	606.6	933.3	148.2	150.8	148.0	145.0	148.1	150.6	139.8	130.
O	608.4	868.3	149.2	152.4	151.4	144.8	152.7	155.8	133.8	130.
N	585.6	926.4	147.9	152.6	150.1	146.6	148.7	154.8	151.4	130.
D	631.2	881.3	148.1	151.8	148.2	146.2	144.0	157.9	150.5	130.
1961 J	642.7	889.6	146.7	152.7	149.9	148.5	143.2	157.1	171.4	130.
F	636.5	888.3	147.9	153.4	154.8	153.1	152.0	156.2	177.0	130.
M	652.4	874.8	148.5	153.7	155.4	153.4	148.7	165.9	166.6	130.
A	724.3	1,030.7	149.8	155.4	153.5	151.2	161.0	155.3	149.5	130.
M	704.7	1,042.5	149.1	154.1	148.1	147.6	151.7	149.6	145.8	130.
J	706.2	1,038.4	153.4	158.2	155.6	153.9	166.6	158.4	154.9	140.
J	761.8	996.0	154.0	158.8	157.9	155.4	168.5	159.3	180.9	140.
A	776.9	1,114.6	155.5	157.8	154.1	149.5	160.5	156.1	148.6	140.
S	752.3	1,148.9	156.8	159.1	154.0	148.7	162.2	158.0	142.0	140.
O	730.6	1,084.7	156.8	159.3	153.7	150.3	166.4	160.8	138.8	130.
N	717.0	1,221.2	158.9	160.8	155.8	152.1	162.3	162.6	147.8	130.
D	776.3	1,102.6	160.8	163.5	159.4	154.5	155.3	166.7	154.2	140.
1962 J	846.9	1,107.8	158.2	161.1	157.6	152.6	161.3	158.8	158.9	140.
F	932.8	1,132.8	160.7	162.5	157.3	154.4	167.2	158.5	167.3	130.
M	915.3	1,168.2	162.5	164.8	163.0	159.0	168.5	161.3	174.3	140.
A	919.9	1,151.0	162.3	163.9	159.6	155.2	155.5	165.0	168.6	130.
M	992.7	1,114.4	164.3	165.4	161.9	157.7	156.9	158.4	184.5	130.
J	1,075.7	1,048.0	165.8	166.7	164.8	156.6	159.5	159.5	168.9	140.
J	1,127.9	1,084.1	166.1	165.7	156.0	154.5	152.7	156.8	178.8	140.
A	1,186.8	1,190.4	165.8	164.9	157.9	154.1	158.2	157.2	162.1	130.
S	1,173.4	1,138.9	167.6	165.7	158.7	154.6	156.7	163.3	163.2	130.
O	1,118.6	1,273.8	167.3	164.9	154.7	152.8	156.3	154.8	158.7	130.
N	1,062.9	1,217.1	168.3	165.4	156.6	153.0	159.9	161.7	148.2	130.
D	1,054.0	1,163.4	169.9	167.4	163.6	157.4	159.5	164.5	168.0	130.
1963 J	1,063.0	1,159.6	169.6	166.7	160.1	156.4	157.0	167.2	176.3	140.
F	1,090.5	1,198.2	169.7	167.7	165.1	161.6	160.7	165.7	190.9	140.
M	1,047.3	1,248.1	171.5	171.9	166.8	162.6	159.7	163.8	198.5	140.
A	1,129.9	1,157.4	171.4	170.5	161.8	157.4	156.5	162.9	188.0	130.
M	1,186.2	1,176.6	173.1	171.9	160.6	156.0	164.5	159.4	178.7	130.
J	1,232.8	1,225.1	173.3	172.7	162.4	155.6	162.9	163.6	175.8	130.
J	1,309.0	1,181.8	170.5	170.1	158.7	150.9	156.5	161.5	142.9	130.
A	1,312.5	1,193.9	173.4	173.8	163.2	156.0	161.7	162.8	154.8	130.
S	1,339.8	1,228.1	175.4	173.7	161.6	158.1	165.9	164.6	162.9	130.
O	1,264.0	1,305.4	177.4	175.2	164.5	161.8	164.6	161.4	186.7	130.
N	1,270.9	1,269.6	180.2	175.9	165.3	159.6	169.1	161.8	167.7	130.
D	1,224.3	1,302.0	183.5	180.1	166.6	163.2	175.3	169.4	158.2	130.

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

	Non-durable manufacturing									
	Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
	Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
Adjusted for seasonal variation										
D	136.9	125.1	145.6	129.1	137.2	186.6	153.5	160.3	115.4	120.7
J	128.9	123.6	140.2	135.3	134.0	162.5	163.0	164.1	114.2	119.6
F	129.0	127.5	142.8	133.9	134.9	173.9	157.8	160.4	116.0	119.7
M	129.0	127.3	143.6	137.6	140.0	161.8	161.5	159.2	119.0	123.7
M	130.9	121.1	134.9	106.6	137.8	162.0	161.3	148.0	114.8	119.3
J	131.7	122.8	139.7	133.6	134.2	161.5	163.1	150.9	117.4	123.8
J	133.3	124.2	144.4	129.4	139.4	175.6	163.8	149.5	115.0	119.7
A	130.4	127.8	147.6	129.6	138.3	191.8	164.8	144.7	116.3	122.8
S	129.4	126.3	144.9	130.6	140.1	175.1	160.2	140.3	117.0	122.2
O	128.0	128.1	144.7	124.9	143.8	171.7	166.9	140.3	114.7	119.4
N	127.8	129.1	146.7	134.2	142.6	173.1	159.6	141.2	113.8	119.8
D	127.7	124.3	145.6	131.0	142.8	171.8	157.7	138.0	113.7	119.7
J	128.6	123.4	144.6	135.6	143.1	160.4	160.2	131.1	114.5	118.8
F	138.6	123.9	142.3	140.8	133.1	166.8	160.5	123.3	111.5	114.6
M	139.3	124.1	150.4	144.3	146.2	169.7	172.4	122.4	111.5	119.6
M	137.4	123.5	147.2	145.8	134.9	178.2	174.8	120.5	109.7	119.7
A	136.1	129.4	147.8	142.1	139.1	176.5	166.2	128.5	108.2	115.4
J	138.6	131.7	150.4	138.6	141.4	186.1	167.6	130.1	111.9	120.0
J	139.9	135.4	145.0	143.2	135.0	171.0	179.2	139.9	112.6	120.2
A	139.9	131.9	147.4	138.7	140.8	173.9	181.1	148.8	115.9	125.2
S	137.9	129.7	140.4	165.3	116.8	165.9	173.6	144.7	120.4	130.3
O	138.9	131.2	136.8	148.8	99.2	209.0	184.6	147.1	117.5	125.7
N	138.5	132.9	151.4	145.7	142.1	177.4	172.0	140.9	120.8	131.4
D	138.5	130.6	157.6	145.5	151.8	187.5	188.2	151.1	119.2	128.0
J	137.5	133.7	150.3	147.8	141.3	176.0	169.7	152.4	115.3	126.1
F	141.4	138.6	145.5	145.2	121.1	203.2	169.0	157.8	120.1	129.9
M	142.9	141.0	146.8	144.0	120.9	211.5	185.8	166.1	120.9	133.9
M	140.3	130.0	151.1	135.8	145.1	184.9	175.3	163.6	115.0	123.9
A	139.6	137.5	152.6	148.2	137.6	194.9	179.4	172.8	127.4	137.0
J	138.9	135.8	157.2	152.3	142.2	200.7	172.1	169.2	124.0	133.4
J	138.4	136.3	155.3	151.0	148.8	178.6	175.7	163.1	122.9	134.8
A	142.3	136.2	151.9	159.7	138.5	175.3	166.7	159.9	125.3	135.3
S	142.0	134.8	181.6	170.9	162.2	243.3	168.1	161.6	121.8	132.5
O	142.4	133.6	158.6	161.4	143.7	191.7	181.9	158.0	117.1	127.1
N	145.2	135.2	159.4	177.0	141.3	189.5	199.3	154.9	121.1	134.9
D	144.8	133.2	155.7	154.9	152.7	164.1	186.3	154.6	114.6	125.4
J	148.0	131.1	155.2	164.8	139.6	181.4	189.7	148.3	117.7	132.7
F	142.1	140.5	162.9	156.8	154.1	192.0	186.6	169.0	118.9	133.5
M	141.2	143.8	164.3	181.0	141.5	199.1	171.8	152.3	113.5	124.7
M	142.3	160.4	160.5	160.2	147.7	192.6	183.1	153.4	112.8	124.6
A	140.5	138.8	152.0	142.7	144.9	179.9	164.5	141.9	109.6	121.3
J	141.4	138.4	164.1	171.0	148.5	193.1	175.9	130.3	105.3	116.4
J	143.7	140.9	159.5	150.3	143.7	207.8	176.6	139.6	105.6	116.2
A	146.8	142.8	150.9	154.1	150.3	148.9	164.6	139.9	107.5	113.7
S	146.6	139.3	167.4	151.6	144.4	235.7	185.5	140.2	110.7	122.6
O	146.9	143.9	157.4	157.8	136.1	205.8	188.7	137.3	118.0	133.0
N	146.2	140.5	172.3	174.0	155.4	213.9	196.0	133.1	113.3	126.8
D	144.1	144.1	161.2	180.6	144.9	177.8	185.7	135.0	111.9	122.5
J	145.1	144.0	154.7	147.5	147.9	180.5	199.6	136.5	116.7	129.4
F	145.6	140.0	154.5	169.9	137.4	177.2	193.0	132.0	115.1	124.5
M	146.2	148.6	160.1	168.6	142.9	192.1	189.1	122.1	118.9	130.8
M	148.2	152.5	161.7	150.0	143.8	217.1	185.6	131.9	120.8	129.7
A	149.7	148.3	160.8	163.6	144.8	194.5	189.2	143.0	122.8	133.0
J	150.5	146.5	149.6	137.8	139.1	181.8	187.9	142.5	121.9	129.6
J	155.2	145.5	161.0	168.2	142.4	196.0	206.3	146.3	121.9	129.6
A	148.9	134.2	165.8	176.4	151.9	187.5	190.9	154.3	127.2	140.6
S	147.5	141.8	168.6	173.6	152.0	204.6	203.0	150.5	121.8	133.4
O	148.2	143.0	170.5	181.1	149.5	210.7	191.7	153.4	126.1	136.1
N	149.9	146.3	164.3	154.3	154.6	201.5	205.6	156.8	125.9	136.7
D	150.1	147.5	167.7	174.3	148.0	207.2	197.1	150.2	129.4	142.0
J	151.2	153.7	175.0	175.3	156.4	220.9	193.3	170.3	130.6	141.7
F	140.8	152.9	173.3	162.0	147.8	247.3	205.7	154.5	130.7	140.5
M	141.1	151.3	166.4	173.6	150.1	199.3	200.3	151.4	126.8	136.6
M	145.2	160.2	175.5	181.0	149.2	233.3	209.4	156.0	128.3	138.1
A	146.3	159.2	173.4	163.4	161.9	215.7	195.4	161.7	124.9	135.1
J	147.7	159.5	175.2	180.8	160.0	206.1	205.3	168.1	125.0	136.8
J	144.7	159.4	190.5	198.9	162.7	248.3	203.0	173.4	128.8	141.2
A	144.0	151.9	160.9	167.8	165.4	143.6	204.5	172.0	129.6	143.1
S	144.7	160.6	170.0	162.2	147.2	232.7	202.9	160.8	126.0	138.3
O	145.6	157.3	171.8	187.1	150.6	205.2	202.4	176.8	123.6	135.1
N	146.5	160.1	160.7	140.1	155.5	203.8	208.2	174.7	123.4	132.5
D	145.9	161.4	167.9	185.3	149.6	189.4	205.7	175.8	128.0	139.9
J	147.1	162.9	183.1	183.7	173.0	208.9	204.7	179.5	124.9	132.6
F	139.4	157.4	171.8	176.0	150.9	217.5	205.5	184.8	128.3	139.4
M	142.3	163.9	176.3	168.2	160.7	223.0	221.3	190.7	126.4	134.6
M	140.4	166.8	180.3	178.6	163.1	224.9	214.1	197.0	126.8	137.9
A	135.9	161.4	175.6	192.5	155.1	206.2	210.2	181.3	122.5	129.3
J	138.7	154.4	175.3	177.3	151.3	231.4	217.6	192.2	126.8	135.3
J	134.9	153.2	183.9	183.7	164.4	232.2	207.5	196.0	128.0	136.2
A	139.8	164.3	183.3	174.1	167.4	234.0	221.7	182.7	119.1	127.0
S	140.5	169.2	185.9	185.6	165.4	236.9	204.8	193.1	126.6	136.5
O	139.8	165.4	172.8	168.8	162.4	203.4	182.3	179.9	126.6	137.9
N	137.3	168.6	173.1	176.7	151.6	221.9	196.2	185.9	128.5	140.8
D	135.1	167.5	183.3	200.0	163.7	214.3	206.4	192.5	132.3	145.7
J	134.8	178.4	177.5	169.0	168.2	213.0	209.1	207.7	128.4	138.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

	Non-durable manufacturing								Printing, publishing and allied industries
	Textiles				Clothing total ¹	Paper products			
	Total	Cotton goods	Wool goods	Synthetic textiles and silk		Total	Pulp and paper		
Adjusted for seasonal variation									
1956 D	122.2	101.6	97.2	161.3	117.6	138.6	138.2	139.	
1957 J	120.5	103.6	88.7	159.0	118.3	137.8	137.5	141.	
F	124.2	110.2	94.6	161.9	118.1	139.4	139.1	143.	
M	120.3	101.6	100.8	153.7	119.9	142.3	140.3	141.	
A	119.0	99.3	90.2	159.4	119.2	138.0	137.0	141.	
M	119.9	99.5	90.1	164.1	118.3	139.2	138.3	138.	
J	117.0	102.5	90.9	148.6	118.7	137.4	136.1	141.	
J	119.7	104.2	89.5	157.2	118.9	136.7	135.1	139.	
A	118.5	100.4	89.7	156.4	119.4	137.3	135.5	135.	
S	114.9	96.4	81.9	153.9	115.8	135.2	132.9	137.	
O	113.2	96.6	77.3	152.0	113.3	133.8	131.3	133.	
N	115.3	97.7	80.9	157.7	111.2	130.8	127.6	130.	
D	104.1	89.1	69.4	135.2	110.8	117.2	110.4	132.	
1958 J	101.8	89.3	75.5	125.3	113.9	122.7	117.2	128.	
F	100.9	85.2	69.0	133.8	113.4	129.6	126.6	132.	
M	97.7	84.2	69.6	122.3	114.4	132.0	129.5	135.	
A	103.9	89.0	72.5	136.2	112.6	135.0	132.0	131.	
M	109.0	91.6	78.1	147.0	113.1	136.6	132.7	135.	
J	110.4	90.2	68.1	158.5	113.9	134.4	130.0	130.	
J	112.1	82.1	69.9	171.9	116.1	136.6	132.2	130.	
A	113.3	90.9	78.0	158.1	116.7	135.7	130.9	133.	
S	113.2	98.0	74.7	150.5	114.5	138.2	133.9	133.	
O	117.9	92.8	81.2	168.4	113.1	145.3	140.9	134.	
N	117.2	93.0	80.2	165.9	114.8	143.2	139.3	147.	
D	116.1	90.7	74.0	168.4	115.8	136.2	131.6	136.	
1959 J	121.3	96.4	81.3	174.2	110.0	140.4	136.5	136.	
F	123.2	98.3	81.6	177.4	112.3	140.0	135.5	134.	
M	120.7	99.5	73.1	170.7	112.5	138.5	132.5	141.	
A	129.1	104.1	84.1	187.6	114.2	144.5	140.0	141.	
M	128.9	98.4	89.9	187.6	115.7	146.1	143.0	141.	
J	126.7	97.9	85.1	181.6	118.1	144.5	141.5	141.	
J	127.8	85.1	85.5	200.0	114.9	145.2	142.5	141.	
A	127.3	92.6	90.5	187.2	111.3	142.9	139.8	141.	
S	124.5	86.9	96.9	179.0	113.7	145.2	142.6	141.	
O	125.0	88.1	87.0	187.5	112.2	150.1	148.7	151.	
N	122.7	86.3	82.1	186.1	110.1	152.6	152.0	151.	
D	120.8	90.6	82.7	176.2	109.4	147.8	146.2	141.	
1960 J	129.4	88.8	97.0	198.9	111.4	147.8	147.6	151.	
F	123.0	86.0	77.8	190.6	110.3	147.2	145.2	141.	
M	128.4	91.5	85.0	199.8	110.8	148.7	150.3	141.	
A	121.1	87.2	77.4	184.2	109.4	144.4	143.9	141.	
M	124.0	90.7	73.1	196.0	108.0	147.0	145.8	141.	
J	122.7	89.2	75.6	192.3	107.5	149.0	149.2	141.	
J	117.1	88.6	67.9	177.9	106.7	148.6	148.3	141.	
A	114.3	85.8	76.7	163.4	108.3	148.4	147.9	141.	
S	118.7	83.1	78.4	181.8	107.3	149.2	148.9	141.	
O	123.3	91.5	79.9	188.9	106.4	150.0	149.6	151.	
N	120.9	92.1	72.3	184.7	106.9	153.9	155.4	151.	
D	127.5	99.6	76.9	199.3	108.4	146.7	145.8	141.	
1961 J	127.9	93.8	78.7	204.5	108.6	148.7	148.7	141.	
F	125.1	91.2	73.6	199.8	107.4	150.1	152.1	141.	
M	126.7	87.8	76.6	206.4	107.7	149.9	150.2	141.	
A	127.4	91.6	79.2	202.7	105.9	153.1	153.1	141.	
M	132.1	96.6	80.7	213.4	106.6	150.8	150.0	141.	
J	137.0	97.5	91.5	222.2	107.7	154.3	152.6	141.	
J	142.3	110.0	85.9	231.5	108.9	154.9	154.0	141.	
A	128.7	96.8	72.2	205.0	106.3	154.9	153.7	141.	
S	138.9	97.8	86.3	232.0	108.4	155.5	156.3	141.	
O	139.4	109.5	79.5	225.0	110.8	154.8	154.8	141.	
N	140.1	106.5	78.7	229.8	111.5	156.3	156.3	141.	
D	147.6	109.7	80.6	252.1	113.7	157.3	157.5	141.	
1962 J	141.1	104.3	79.4	233.9	106.7	154.8	154.7	141.	
F	144.3	108.7	81.0	240.0	105.1	157.9	158.3	141.	
M	141.5	108.4	77.9	231.9	106.9	160.4	158.7	141.	
A	139.4	109.2	90.0	213.4	110.3	158.2	156.9	141.	
M	147.6	106.8	88.7	246.1	111.2	156.6	155.8	141.	
J	148.3	99.5	94.5	250.5	113.4	159.6	159.0	141.	
J	155.4	116.6	98.1	250.4	113.7	159.1	157.9	141.	
A	145.1	103.3	83.1	237.4	112.8	160.8	160.7	141.	
S	150.9	104.6	94.2	250.3	112.3	163.1	163.9	141.	
O	150.3	108.7	86.2	248.1	113.4	159.3	159.6	141.	
N	151.9	102.0	79.8	266.2	112.8	159.9	160.2	141.	
D	149.6	100.8	83.5	255.7	115.7	159.5	158.3	141.	
1963 J	149.9	101.8	87.0	258.0	139.6	156.8	154.1	141.	
F	150.4	100.6	89.1	260.8	133.8	153.6	151.4	141.	
M	153.8	101.4	85.9	274.2	130.9	161.7	161.0	141.	
A	154.9	104.6	72.3	283.6	137.5	160.3	159.4	141.	
M	157.0	102.3	94.2	278.0	136.1	165.2	164.8	141.	
J	159.2	114.2	93.5	272.7	137.2	162.7	162.1	141.	
J	152.4	106.3	88.5	260.5	137.2	162.1	161.8	141.	
A	165.6	117.1	89.6	294.8	133.9	167.0	167.5	141.	
S	165.7	114.9	89.4	295.7	135.4	167.9	167.6	141.	
O	168.1	114.8	99.0	298.6	142.4	165.3	164.7	141.	
N	163.4	115.2	89.1	286.3	136.3	168.8	168.9	141.	
D	172.1	121.4	90.9	308.2	146.6	175.4	176.5	141.	

¹ See page 3.

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

U.S. Industrial Production, by Months, Dec. 1958 - Dec. 1963 - Continued									
	Non-durable manufacturing					Durable manufacturing			
	Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
	Total	Petroleum products	Total	Acids alkalies salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods
	Adjusted for seasonal variation								
D	225.7	238.5	177.2	187.8	150.9	157.9	131.8	134.3	237.1
J	219.9	232.2	179.0	189.4	152.2	153.7	123.2	122.0	209.3
F	227.9	240.9	183.3	191.0	154.3	153.9	128.6	129.9	223.8
M	233.2	247.0	182.7	193.2	155.4	154.0	131.4	133.7	232.0
A	230.6	244.4	183.6	196.6	155.8	149.7	130.1	132.0	233.0
M	277.4	240.6	175.7	199.2	155.6	149.7	129.1	130.7	257.8
J	227.6	241.3	175.6	193.7	155.5	147.5	131.2	133.0	238.3
J	229.8	243.9	178.9	194.2	154.8	146.0	128.0	128.4	238.1
A	222.1	234.9	184.6	195.5	154.6	145.3	128.9	130.0	253.0
S	216.0	228.5	187.2	200.2	153.3	139.9	124.1	123.5	232.2
O	216.3	229.9	187.6	202.6	150.4	139.4	124.7	125.3	251.9
N	216.7	230.1	192.5	205.6	148.9	141.0	122.1	122.1	216.5
D	216.2	230.1	189.5	206.7	149.5	136.5	120.0	119.7	229.4
J	224.2	239.4	188.0	211.1	149.8	139.6	125.7	129.5	239.5
F	213.8	228.1	185.8	213.6	151.4	139.0	127.1	132.0	244.6
M	213.1	227.2	188.8	216.0	153.5	138.7	126.5	130.4	242.9
A	206.2	220.0	195.2	225.2	158.0	139.4	128.0	130.6	237.2
M	209.6	223.9	201.7	227.0	162.8	143.1	132.8	135.5	230.7
J	211.0	226.0	200.1	228.0	166.8	143.1	131.2	132.6	241.1
J	215.2	230.8	205.2	234.1	170.6	139.1	131.9	133.5	231.7
A	208.8	225.6	204.9	234.9	173.0	136.5	133.1	135.6	243.4
S	212.0	229.6	198.9	233.2	174.0	136.7	134.3	138.1	261.3
O	215.0	232.1	201.6	230.5	174.5	136.4	137.8	143.1	282.2
N	228.6	246.6	209.4	231.3	177.2	139.7	141.0	147.7	273.9
D	237.8	256.4	198.8	231.4	181.3	144.6	137.8	143.3	284.5
J	234.6	253.0	205.1	236.1	180.9	145.9	140.9	147.6	270.8
F	240.0	258.4	208.7	240.7	181.4	147.7	143.4	150.6	292.7
M	252.0	271.5	204.5	242.2	179.9	147.3	137.4	142.4	270.6
A	242.4	260.0	205.5	239.6	177.5	151.6	145.2	153.1	294.7
M	246.9	264.6	206.8	239.7	179.6	150.1	143.1	148.8	260.4
J	232.8	249.8	199.1	242.3	181.5	153.2	146.0	152.9	295.1
J	234.3	251.2	210.2	244.5	183.4	151.8	123.4	120.7	140.2
A	232.7	248.9	211.7	252.9	184.4	145.8	115.8	109.8	100.5
S	244.9	263.2	213.9	259.0	185.0	149.0	127.7	127.3	215.7
O	242.7	260.1	212.0	256.3	187.6	155.8	139.4	144.7	260.1
N	247.2	264.5	214.4	254.9	187.1	145.3	138.3	143.2	309.7
D	257.8	275.9	214.7	258.5	186.4	152.3	149.6	161.3	325.4
J	255.7	274.3	221.5	262.2	186.0	155.4	143.1	151.6	300.1
F	251.7	270.1	219.1	256.3	187.6	151.9	140.3	147.4	294.3
M	254.9	273.1	221.4	254.7	189.5	152.2	138.9	145.2	304.5
A	265.9	285.9	216.7	250.8	190.4	148.1	138.7	145.1	283.5
M	257.1	276.9	216.4	261.5	187.8	146.5	133.3	138.0	286.5
J	257.9	278.8	221.6	264.8	188.5	145.0	135.2	140.7	282.5
J	247.5	267.2	224.8	272.3	190.4	140.9	134.1	138.0	230.6
A	247.1	266.7	222.1	272.8	191.0	142.3	134.9	138.7	253.3
S	241.1	259.7	223.0	265.1	192.7	145.1	134.5	137.9	244.6
O	243.4	262.0	219.7	258.6	196.2	145.5	130.9	133.5	214.4
N	251.0	271.4	214.3	254.9	198.8	142.5	131.6	135.8	262.9
D	252.7	273.4	215.4	254.6	199.7	143.8	139.9	149.0	262.7
J	243.7	263.5	220.2	254.6	198.1	139.8	132.5	137.0	252.1
F	249.7	269.9	220.8	255.5	201.0	141.5	133.8	139.6	248.0
M	246.1	265.6	216.6	258.4	200.0	142.5	136.9	144.2	277.4
A	272.8	294.8	219.8	254.5	201.1	143.1	138.6	146.5	274.5
M	267.4	288.6	220.8	262.5	206.2	143.2	133.0	137.8	292.7
J	259.9	279.2	228.0	265.9	210.9	147.9	138.8	145.2	312.3
J	228.6	243.8	227.0	259.6	213.2	148.4	143.7	152.3	334.1
A	276.2	298.0	225.7	257.9	216.4	152.8	141.0	148.2	361.9
S	272.3	293.2	220.6	254.1	220.7	154.2	143.3	151.1	329.8
O	254.5	273.7	220.4	251.4	224.6	153.9	138.2	143.5	262.0
N	266.8	287.6	223.7	253.6	229.3	156.7	148.6	158.4	316.2
D	265.3	285.8	223.9	258.0	230.5	157.6	152.4	163.7	315.6
J	268.4	290.1	227.1	261.2	231.3	154.8	146.0	153.4	319.1
F	275.1	297.6	232.6	265.4	231.2	158.6	148.7	157.4	316.4
M	265.6	286.9	238.5	265.7	232.9	159.8	150.7	159.5	310.5
A	273.8	296.2	237.4	270.8	233.1	160.4	150.4	159.3	315.2
M	267.7	289.1	235.9	277.9	233.3	162.9	149.0	157.3	311.2
J	249.9	268.5	238.7	277.8	236.6	164.8	148.7	156.6	319.5
J	251.4	269.3	240.7	281.0	238.8	166.6	153.0	162.9	404.5
A	273.2	293.8	232.5	264.6	241.6	166.9	149.8	158.7	333.8
S	276.9	298.1	225.0	246.5	242.4	169.9	157.0	169.2	349.1
O	296.3	320.6	225.9	253.1	241.9	170.2	154.4	165.3	327.7
N	280.9	304.1	228.9	258.0	241.4	171.6	159.1	172.2	348.2
D	285.9	308.8	229.7	260.1	240.4	172.8	160.3	173.7	375.6
J	284.1	306.2	229.5	255.2	241.2	173.1	157.0	167.9	359.5
F	281.7	303.2	236.0	277.9	241.1	172.2	158.8	171.5	350.6
M	303.4	328.2	248.8	307.6	243.5	171.1	156.4	168.3	331.9
A	302.2	326.9	245.5	310.6	246.2	172.5	155.7	167.3	340.9
M	285.5	308.2	252.3	307.4	250.4	174.5	157.5	170.1	340.9
J	292.7	318.6	252.0	304.9	250.5	173.9	158.2	171.7	364.3
J	297.3	321.7	250.3	308.4	248.9	170.9	154.8	167.2	338.6
A	293.5	317.3	252.8	306.2	249.0	172.9	157.0	169.7	376.9
S	312.7	338.6	249.4	308.4	249.3	177.4	159.4	172.7	377.4
O	308.2	333.4	251.4	309.3	248.1	179.9	163.5	178.9	404.5
N	302.9	327.5	262.9	315.0	246.3	185.2	165.9	181.7	405.8
D	308.0	332.2	263.1	310.5	245.1	187.6	165.6	180.4	

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

	Durable manufacturing									
	Wood products		Iron and steel products					Transportation equipment		
	Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
Adjusted for seasonal variation										
1956 D	121.1	140.0	150.5	157.9	160.3	163.0	138.1	175.1	325.3	218.7
1957 J	107.9	139.7	149.9	158.7	150.2	165.3	137.6	164.9	337.1	189.7
F	118.6	139.9	148.2	158.6	151.2	158.2	136.3	163.3	346.2	185.4
M	122.8	140.7	149.0	157.8	157.9	157.0	131.9	161.7	349.0	183.3
A	120.1	140.4	143.6	154.8	153.8	155.7	131.7	151.1	339.7	158.3
M	115.4	141.0	143.7	152.4	145.9	151.9	128.2	153.5	348.7	164.4
J	120.5	143.3	141.7	150.5	141.1	146.4	128.2	151.5	355.7	160.1
J	113.6	143.5	142.4	147.3	129.7	151.5	127.0	147.0	359.2	148.0
A	114.2	143.4	136.4	143.7	120.7	143.2	125.1	154.2	359.7	169.3
S	108.0	142.4	133.2	137.9	104.9	141.3	120.8	141.1	365.1	138.8
O	108.7	140.6	132.4	134.5	110.1	142.7	117.5	134.6	356.8	127.1
N	108.9	139.5	128.6	132.2	103.5	136.1	116.8	146.1	351.0	158.3
D	103.2	138.4	126.0	129.3	94.7	134.4	116.4	133.5	348.9	128.0
1958 J	116.3	134.5	128.7	123.6	150.5	130.9	123.1	132.5	341.2	131.1
F	118.5	133.6	126.4	120.7	144.2	128.3	124.5	138.5	333.5	150.1
M	116.4	135.7	127.9	122.9	146.5	130.9	126.1	134.5	332.5	139.1
M	116.2	141.3	129.3	123.7	138.7	135.1	131.6	127.1	337.8	120.1
A	122.2	146.6	130.3	122.9	148.5	127.7	136.5	136.5	336.1	143.1
M	116.2	147.2	132.1	121.7	149.5	134.0	139.6	136.1	331.1	140.1
J	118.5	148.0	128.9	122.2	138.4	126.1	143.0	125.4	335.1	119.1
J	120.0	147.8	127.3	123.0	141.9	101.8	146.1	116.8	336.2	106.1
A	121.5	145.7	124.5	121.3	125.7	100.0	148.7	121.0	338.6	114.1
S	125.6	146.3	121.5	121.6	127.6	91.9	145.0	131.3	327.3	143.1
O	133.7	146.9	128.6	123.9	129.8	120.4	139.6	131.6	319.4	144.1
N	126.0	146.1	133.1	124.3	133.9	141.6	138.7	150.4	317.0	190.1
1959 J	133.3	145.7	136.6	126.1	125.0	150.7	143.4	139.2	319.2	156.1
F	134.1	147.3	137.4	129.3	132.4	149.2	145.7	140.3	260.7	166.1
M	126.4	145.4	138.4	128.9	139.4	149.5	143.6	135.6	236.0	157.1
M	139.0	147.0	144.3	130.4	154.1	163.1	147.8	134.9	240.0	155.1
A	134.9	149.8	143.0	135.1	146.5	155.3	148.9	134.6	242.0	155.1
M	136.4	148.0	146.8	139.5	144.0	159.6	151.9	139.7	246.7	165.1
J	110.0	147.5	149.8	141.2	159.6	168.8	153.4	148.9	244.8	191.1
J	100.6	146.7	150.6	138.6	166.7	164.8	154.5	127.2	243.3	140.1
A	112.9	146.2	151.6	138.6	161.5	180.9	156.4	123.1	240.7	126.1
S	133.3	144.9	157.0	141.8	186.9	186.9	153.6	140.8	241.0	174.1
O	125.9	144.7	154.3	142.0	165.6	188.7	149.9	97.6	243.0	74.1
N	150.8	141.2	158.6	139.0	181.0	208.1	149.6	111.3	238.4	111.1
1960 J	139.5	141.4	150.8	138.2	168.1	183.5	148.4	141.3	238.6	179.1
F	134.6	141.7	145.3	137.6	136.3	183.9	146.3	132.3	234.8	156.1
M	131.0	141.8	144.3	138.1	141.8	183.4	145.2	135.7	231.0	167.1
M	134.9	141.1	139.3	139.0	135.4	162.3	144.0	130.9	233.5	157.1
A	126.3	139.9	137.6	137.6	129.8	160.9	143.9	132.2	234.6	163.1
J	131.4	139.7	134.2	136.0	125.0	148.6	145.8	127.8	235.5	154.1
J	134.0	141.0	130.4	137.1	121.8	143.5	142.9	117.9	225.2	135.1
A	132.0	143.0	132.1	136.0	119.1	151.8	142.3	120.5	225.5	143.1
S	132.2	143.7	131.7	132.9	140.4	162.1	143.5	136.6	236.7	181.1
O	129.8	142.2	133.2	131.8	153.7	161.4	143.0	139.4	244.1	187.1
N	126.9	140.0	135.8	130.4	195.7	156.4	142.0	121.4	254.5	142.1
D	145.9	137.6	135.7	127.7	205.3	148.2	142.2	121.9	261.2	143.1
1961 J	129.2	140.5	129.4	127.6	160.0	140.7	143.4	120.1	264.2	137.1
F	132.5	138.5	132.1	129.1	156.9	150.9	143.2	122.9	269.1	144.1
M	135.1	138.1	136.2	131.4	163.4	160.1	142.0	117.8	266.9	133.1
M	138.2	138.9	134.8	131.8	141.0	161.3	141.8	118.8	265.8	141.1
A	122.9	141.2	136.3	131.3	117.9	183.6	140.3	118.6	266.0	143.1
M	129.7	144.9	140.8	131.5	151.1	183.4	141.5	126.9	271.1	154.1
J	135.9	145.7	141.1	132.9	144.3	180.1	141.1	128.8	262.4	155.1
J	126.5	146.1	147.6	135.6	176.5	196.3	139.6	139.3	262.1	173.1
A	134.4	146.9	145.9	138.1	166.8	188.2	138.3	141.8	266.6	180.1
S	132.4	146.3	142.7	137.3	152.0	182.9	139.2	143.3	274.1	185.1
O	147.4	146.6	140.4	136.3	126.7	177.1	140.3	145.1	279.7	186.1
N	154.0	148.2	141.2	137.6	120.0	177.5	142.9	141.4	283.8	177.1
1962 J	138.8	150.3	140.9	139.5	91.2	182.5	147.6	137.2	283.5	165.1
F	146.1	149.6	147.0	142.3	123.1	187.6	153.4	143.5	279.5	179.1
M	149.5	152.0	146.5	142.9	130.0	181.5	153.9	143.8	273.2	179.1
M	149.0	152.3	146.3	143.3	139.9	181.3	153.3	145.1	265.0	184.1
A	147.0	152.8	149.1	144.3	140.8	190.9	154.7	152.7	261.6	202.1
J	144.2	153.6	153.0	145.9	153.0	195.9	159.6	155.2	266.3	203.1
J	142.0	153.9	155.0	145.1	157.9	200.5	162.1	155.5	259.2	209.1
A	145.0	152.0	156.1	149.5	154.8	201.1	162.1	158.5	259.7	208.1
S	158.8	152.9	159.2	156.4	158.4	198.3	163.6	168.2	256.8	227.1
O	155.6	153.5	156.4	159.3	139.4	189.0	159.5	169.1	248.0	229.1
N	164.1	152.1	158.1	159.8	135.8	200.4	156.5	170.1	237.1	231.1
D	163.1	153.3	158.6	160.1	113.4	205.0	153.4	170.5	226.7	232.1
1963 J	156.0	155.9	159.0	159.4	148.0	207.4	157.6	178.2	226.1	251.1
F	161.3	153.7	160.4	159.5	150.8	210.5	160.4	171.5	227.7	236.1
M	158.8	153.9	160.8	157.3	160.2	211.9	160.7	168.1	224.2	231.1
M	157.0	153.7	159.7	157.8	155.8	209.3	159.7	171.9	224.6	239.1
A	161.8	152.6	160.6	159.7	151.3	208.6	159.2	174.2	229.4	242.1
J	165.6	150.8	161.4	160.7	154.2	209.7	157.2	174.8	227.3	245.1
J	159.0	150.4	157.7	161.5	143.7	210.9	155.1	171.1	228.1	252.1
A	162.0	151.9	156.4	159.4	148.2	203.6	155.5	176.5	234.3	266.1
S	161.7	152.3	160.5	158.2	141.3	220.0	152.5	184.5	234.3	276.1
O	170.2	152.2	164.5	160.6	151.0	225.2	153.0	192.2	245.3	295.1
N	169.6	153.8	168.7	163.0	157.1	240.9	154.6	204.7	257.2	295.1
D	166.3	156.1	171.4	164.8	161.4	245.4	158.1	209.2	256.7	301.1

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Adjusted for seasonal variation										
D	141.1	93.7	158.8	137.9	115.9	154.6	193.6	172.9	402.1	164.3
J	139.3	95.0	160.7	137.4	112.3	154.5	192.2	175.0	390.4	159.8
F	134.1	95.8	161.4	136.4	109.4	153.3	192.7	175.8	391.0	165.1
M	127.3	95.7	163.4	134.9	106.2	152.0	189.9	174.1	388.0	161.5
A	125.8	95.3	165.0	133.5	103.2	151.5	192.4	170.2	445.9	153.2
M	123.2	95.2	163.9	129.0	103.9	144.4	192.6	167.3	463.7	150.3
J	120.8	94.5	163.6	117.5	105.1	126.2	190.9	164.3	445.1	155.0
J	121.0	93.5	164.1	118.1	106.9	126.7	183.6	161.9	380.0	150.5
A	117.8	92.1	165.0	119.2	107.5	128.3	179.3	158.9	346.2	152.1
S	112.9	89.2	164.3	116.2	106.0	124.3	175.5	157.0	334.5	144.3
O	108.2	88.4	158.2	126.8	104.0	141.7	174.7	154.4	344.4	145.3
N	111.5	87.9	154.5	131.3	102.0	149.2	175.4	150.7	358.6	148.8
D	111.5	84.9	155.3	128.6	99.3	146.2	175.5	151.3	359.0	143.7
J	105.9	82.2	155.4	135.2	96.4	157.8	178.2	150.0	418.9	137.0
F	103.2	81.4	150.7	136.9	99.2	159.6	169.6	146.4	370.3	133.3
M	105.5	80.3	151.8	135.1	102.5	156.1	171.1	145.4	397.2	132.1
A	107.5	77.6	153.1	137.0	103.1	158.1	177.3	145.5	460.6	136.0
M	111.5	75.7	155.5	136.3	108.6	155.6	176.3	148.1	426.4	149.5
J	116.0	75.1	162.5	135.9	115.2	152.3	177.6	151.9	440.8	154.0
J	106.6	72.8	156.9	126.5	116.9	136.9	181.3	158.1	458.0	153.7
A	104.2	68.8	133.0	122.7	118.5	130.9	182.0	158.2	452.2	151.1
S	120.7	64.2	123.1	125.1	117.7	134.4	176.3	152.4	397.7	161.0
O	119.6	63.4	124.7	108.1	120.7	106.2	175.3	147.9	390.4	168.7
N	122.9	61.8	129.6	108.9	120.9	105.9	178.0	141.6	408.0	180.7
D	131.3	58.4	131.2	110.7	118.9	109.9	173.7	139.6	363.4	177.2
J	136.2	58.7	140.3	123.2	120.4	129.1	180.3	137.3	437.2	182.7
F	141.4	60.4	142.2	126.0	122.1	132.2	179.6	140.3	436.8	176.9
M	143.0	61.0	143.5	136.8	122.0	149.3	176.4	140.1	418.3	165.2
A	140.8	61.8	145.6	140.4	122.5	154.0	182.5	142.8	448.0	169.7
M	135.5	63.3	147.0	136.3	121.0	147.8	185.3	146.3	437.7	171.5
J	138.6	63.2	146.6	137.4	119.2	148.5	186.5	149.2	402.2	177.7
J	133.2	63.0	147.2	131.1	118.1	139.5	187.4	147.2	428.9	172.3
A	125.8	63.5	147.8	128.7	119.0	135.7	189.6	143.9	425.1	202.8
S	134.6	63.0	147.1	136.5	119.7	147.9	189.3	146.1	391.4	206.1
O	133.6	62.5	143.7	137.0	118.3	149.0	189.0	146.0	382.0	193.2
N	112.1	60.7	139.1	137.7	117.4	151.4	187.4	141.1	402.3	183.2
D	116.9	57.9	133.7	140.0	114.1	156.1	190.5	142.6	433.1	191.6
J	130.2	56.0	147.0	142.6	116.1	159.5	190.7	140.2	429.4	199.3
F	135.3	53.4	147.6	148.4	118.9	167.6	190.4	139.7	436.1	195.4
M	130.6	52.8	149.0	153.2	119.8	174.7	191.1	140.6	445.3	191.0
A	125.9	53.3	146.8	149.0	118.9	168.5	189.3	141.7	431.4	192.2
M	122.1	52.7	143.3	146.5	116.3	164.9	184.4	140.6	419.6	171.7
J	117.0	52.5	144.3	150.1	114.1	171.4	180.6	139.5	389.9	169.4
J	111.6	51.6	141.9	150.2	115.7	171.6	177.0	138.0	372.4	164.8
A	109.8	51.3	138.0	151.5	116.1	173.5	175.5	137.2	353.4	170.6
S	116.1	50.8	137.3	148.0	112.5	169.8	176.6	135.0	383.3	165.0
O	117.0	49.7	135.1	148.2	110.3	169.9	174.1	130.8	378.9	171.8
N	112.0	47.5	137.1	148.2	113.2	169.2	168.6	124.8	378.9	156.5
D	110.7	46.2	133.9	148.2	110.7	170.1	168.6	124.8	379.3	163.7
J	111.7	45.8	137.1	149.7	114.1	170.8	166.3	124.7	370.7	156.6
F	113.0	44.2	137.4	146.1	115.6	164.7	170.2	124.9	414.0	144.5
M	114.4	42.9	131.8	148.3	115.5	168.5	171.5	125.3	397.5	161.2
A	110.8	41.9	119.5	145.8	116.4	164.4	173.3	127.1	383.4	171.9
M	111.5	40.4	113.6	151.2	118.9	172.7	171.2	129.2	373.4	158.6
J	113.4	40.3	146.0	146.0	122.3	163.5	180.6	131.7	409.4	178.6
J	124.7	42.1	147.8	140.7	123.7	155.3	183.2	133.8	434.8	166.6
A	139.8	44.5	149.5	141.8	124.5	156.2	184.1	135.2	404.9	181.7
S	130.0	44.9	159.2	145.1	128.0	159.8	190.1	134.2	439.3	189.2
O	126.0	42.6	161.6	150.0	128.3	167.9	192.2	138.2	447.8	178.5
N	129.9	42.4	165.7	155.9	128.9	176.5	197.8	139.5	472.3	188.6
D	124.0	42.8	170.0	152.5	126.2	171.4	207.1	142.6	557.6	184.5
J	126.4	43.1	170.6	153.3	128.0	172.1	203.4	144.0	514.9	183.4
F	133.7	42.1	172.5	150.6	125.2	167.8	205.8	143.0	524.3	180.9
M	135.2	42.9	175.1	150.1	127.2	166.3	210.6	145.3	559.0	179.5
A	139.6	41.9	169.3	148.4	128.4	163.6	212.2	145.6	562.7	183.7
M	141.0	41.1	174.4	154.3	128.5	172.0	207.4	146.8	499.3	189.2
J	142.1	40.8	189.4	148.0	128.2	162.0	214.0	149.3	533.6	197.8
J	134.6	40.3	188.7	150.7	127.5	165.4	212.5	150.5	512.9	191.9
A	151.0	40.8	193.3	150.3	128.0	165.3	214.5	152.0	488.8	215.8
S	158.3	42.6	199.8	146.4	126.2	160.4	212.4	152.8	474.6	209.3
O	160.5	41.8	204.2	142.7	124.1	155.3	221.3	156.8	563.4	212.4
N	167.4	40.9	203.8	145.9	124.8	160.0	219.7	159.4	540.2	215.6
D	170.0	42.1	205.7	146.2	125.6	160.5	222.8	159.4	552.5	224.0
J	169.9	42.1	209.5	147.1	127.1	161.6	218.6	160.9	501.3	211.7
F	171.1	40.9	203.0	146.5	127.5	160.1	220.6	160.6	520.2	213.4
M	167.8	40.2	199.1	145.5	127.5	158.4	220.8	158.2	529.2	215.7
A	169.6	39.3	203.8	150.9	129.0	165.7	222.6	155.3	542.1	212.2
M	173.0	38.8	204.9	150.6	131.2	164.9	224.4	154.3	549.1	217.2
J	173.2	39.1	198.7	149.4	133.2	162.4	223.2	153.8	546.4	218.6
J	177.4	39.3	192.4	145.9	136.2	155.4	221.3	153.2	527.9	225.0
A	172.7	40.3	186.8	151.6	137.2	164.3	221.6	152.0	538.4	222.9
S	181.6	41.8	189.4	151.7	135.8	164.9	223.3	150.1	557.5	225.8
O	193.6	43.4	192.6	151.2	135.8	165.1	222.5	148.9	553.0	224.8
N	203.0	44.4	195.1	149.3	138.6	160.6	230.8	151.1	592.8	243.5
D	214.9	44.7	195.2	148.8	140.4	159.2	232.5	155.0	589.2	235.7

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Dec. 1956 - Dec. 1963 - Concluded

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Month								
		Durable manufacturing				Electric power and gas utilities		
		Non-metallic mineral products				Total	Electric power	Gas
		Total	Concrete products	Hydraulic cement	Domestic clay products			
Adjusted for seasonal variation								
1956 D		184.5	310.6	201.7	138.5	212.9	216.0	184.6
1957 J		179.9	275.2	206.9	131.0	217.3	221.1	183.0
F		184.7	338.7	205.5	120.2	217.5	220.4	191.3
M		187.7	345.1	216.2	143.1	216.5	220.8	177.7
A		184.5	340.2	196.2	143.6	219.1	222.4	189.5
M		186.9	347.7	203.3	137.2	217.2	220.7	185.5
J		189.1	344.5	212.9	148.2	214.9	218.4	183.9
J		198.3	356.2	261.2	146.5	221.3	225.3	185.1
A		195.9	362.5	237.4	155.7	218.1	221.1	191.2
S		197.2	372.0	240.4	152.2	220.4	223.6	191.2
O		192.7	362.2	224.8	153.0	223.6	226.4	198.5
N		194.6	380.1	227.1	151.3	228.4	230.3	211.5
D		190.5	405.3	193.6	145.0	228.3	231.3	201.5
1958 J		196.0	443.8	205.3	148.6	235.4	238.0	212.1
F		186.2	378.1	203.6	135.9	238.3	239.9	223.6
M		189.3	389.1	199.2	158.5	236.5	238.1	221.8
A		199.0	455.8	223.7	150.7	235.3	236.3	226.6
M		212.4	528.4	233.3	162.3	233.7	237.2	202.7
J		206.6	495.0	238.2	159.0	236.6	238.3	221.7
J		206.1	499.9	214.8	162.0	234.9	236.9	217.7
A		204.9	473.5	220.4	160.5	234.2	236.0	218.4
S		210.6	482.5	222.5	163.1	238.6	239.0	235.4
O		212.2	484.5	234.7	166.1	238.5	240.1	224.4
N		213.9	473.8	231.0	177.8	245.1	244.9	246.7
D		217.3	480.5	232.9	177.4	257.6	253.3	296.6
1959 J		213.0	476.2	203.0	174.3	255.5	249.5	309.
F		222.8	553.2	181.6	182.4	258.0	253.4	298.
M		227.3	579.0	196.0	172.3	258.1	254.7	288.
A		228.4	555.0	224.5	164.2	264.6	263.2	277.
M		221.8	503.4	234.1	172.3	263.3	259.4	297.
J		222.6	524.8	227.6	164.2	269.6	266.1	300.
J		225.6	545.0	243.3	166.8	260.9	256.6	299.
A		220.0	512.5	228.9	171.5	270.6	262.3	345.
S		231.9	579.4	254.0	160.2	280.7	270.9	368.
O		221.9	549.1	211.3	168.2	278.1	270.0	350.
N		218.4	503.4	209.5	172.3	285.3	275.2	376.
D		221.0	533.6	214.1	179.0	284.9	276.6	359.
1960 J		221.7	556.0	180.1	189.3	287.5	279.0	364.
F		220.0	555.8	190.9	180.9	288.9	281.5	355.
M		210.6	503.9	187.1	172.0	299.6	289.8	387.
A		200.1	449.1	180.0	174.4	293.0	284.3	370.
M		206.4	485.8	199.6	165.5	294.5	285.7	373.
J		209.3	499.5	206.6	153.3	302.1	292.3	390.
J		206.4	504.8	201.2	148.6	297.8	287.8	387.
A		209.5	504.2	217.9	132.0	314.6	297.7	466.
S		207.9	513.3	213.3	128.3	308.7	296.9	414.
O		210.7	514.0	221.8	139.3	301.4	287.5	425.
N		217.4	555.1	215.1	130.4	298.9	285.5	419.
D		215.9	545.7	217.7	152.4	305.6	289.9	446.
1961 J		210.5	535.7	219.2	124.5	305.8	290.2	445.
F		211.2	634.2	183.0	122.8	303.9	288.7	440.
M		208.9	567.4	198.6	126.0	302.5	288.7	426.
A		219.0	601.9	220.3	140.0	312.2	294.6	469.
M		220.7	584.8	234.0	139.8	322.4	300.4	519.
J		223.3	579.6	232.4	154.8	323.5	298.8	545.
J		217.2	525.1	211.1	153.8	325.0	301.3	537.
A		222.7	577.8	214.8	146.4	331.0	304.7	566.
S		220.6	556.2	220.9	154.3	327.4	303.4	542.
O		227.2	571.0	219.8	152.0	330.4	305.6	553.
N		227.6	573.1	210.3	143.7	321.8	302.3	496.
D		230.7	600.4	205.7	156.7	325.5	304.4	514.
1962 J		222.9	536.1	229.9	147.2	336.0	314.7	527.
F		225.9	529.8	254.3	150.9	335.9	314.8	525.
M		233.3	585.7	260.0	146.9	335.2	313.7	528.
A		240.7	654.9	237.3	143.5	333.9	313.4	518.
M		241.9	653.4	239.9	149.3	341.7	321.8	520.
J		245.5	645.0	253.3	146.8	337.6	313.0	558.
J		248.8	653.8	241.5	150.4	340.5	308.6	626.
A		243.0	696.4	227.8	147.2	350.4	317.4	646.
S		236.1	615.4	249.0	156.1	339.4	304.8	649.
O		249.6	774.7	227.5	147.5	340.7	310.8	608.
N		244.5	701.5	232.9	148.3	341.9	313.5	596.
D		250.5	655.2	294.0	154.6	334.4	310.5	548.
1963 J		241.2	647.6	260.1	136.4	351.5	324.9	590.
F		234.3	617.1	243.6	127.5	353.4	324.9	609.
M		234.6	600.6	235.0	132.9	351.3	323.7	598.
A		237.4	630.0	254.7	134.1	357.6	331.1	595.
M		250.5	683.1	251.1	134.0	358.6	329.8	616.
J		238.2	610.8	239.6	145.7	361.3	329.8	643.
J		240.1	593.9	241.8	143.7	370.8	341.5	633.
A		242.5	604.7	250.7	132.4	365.9	334.6	646.
S		256.9	745.4	244.9	138.4	372.8	340.7	661.
O		242.5	637.4	264.6	138.5	376.3	349.4	618.
N		246.4	682.0	247.7	141.1	390.6	364.9	621.
D		253.7	783.6	192.5	127.7	403.8	374.2	668.

CHART-3

MOTOR VEHICLE OUTPUT COMPARED WITH PRIMARY IRON AND STEEL, BY MONTHS,
1953 - 1963
(SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

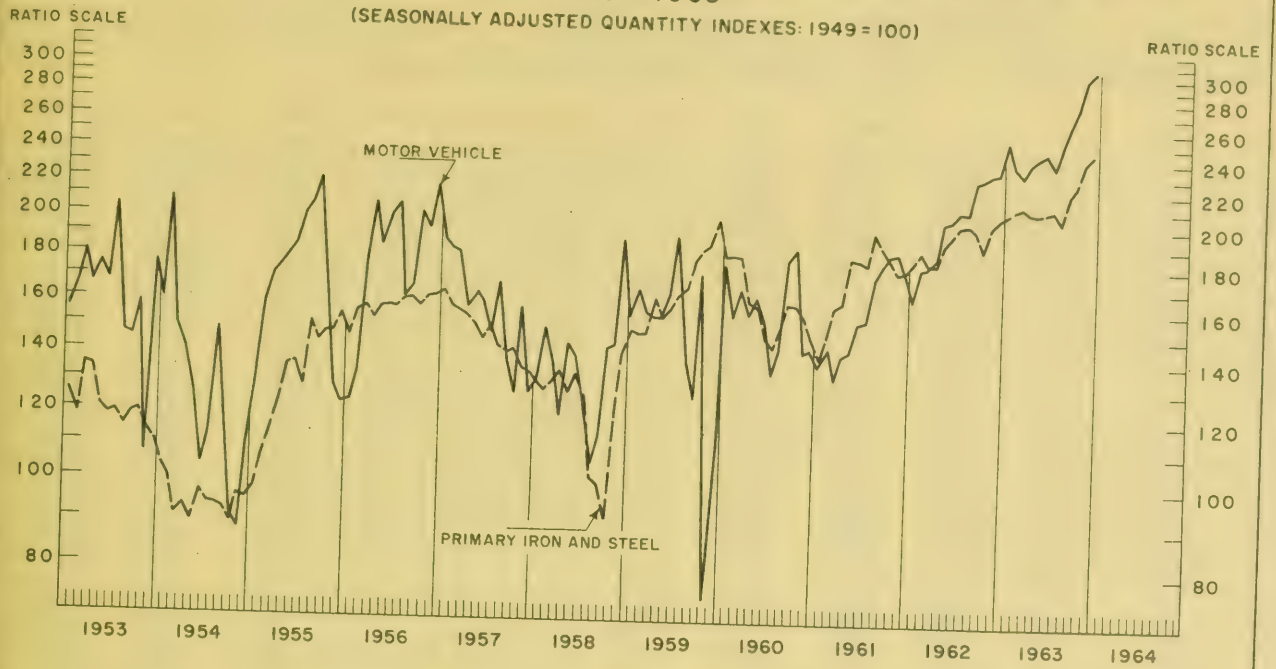


TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963

		Mining										
		Index of Industrial Production	Mining total	Metals					Non-metals		Fuels	
				Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
Unadjusted for seasonal variation												
1956 D		154.0	211.2	136.6	106.0	118.7	136.4	136.1	156.8	156.0	395.4	82.1
1957 J		150.6	210.7	135.7	100.4	162.9	116.5	152.0	163.8	170.7	396.9	76.1
F		157.4	219.2	149.0	107.7	203.2	144.9	151.8	180.4	192.2	389.0	81.1
M		158.6	217.7	152.9	108.5	228.8	138.3	153.1	177.0	190.5	369.2	64.1
A		154.7	217.6	152.5	107.3	272.4	129.4	145.1	192.3	198.1	363.3	62.1
M		158.1	227.9	160.1	105.4	430.5	119.1	148.5	189.4	191.7	370.0	58.1
J		162.3	240.9	180.0	108.3	689.5	124.1	146.3	182.1	174.8	367.3	54.1
J		153.7	237.2	177.9	102.0	699.4	118.0	145.2	157.8	155.7	368.4	45.1
A		155.5	239.6	177.6	100.8	734.9	134.6	153.4	178.8	173.9	349.5	46.1
S		157.4	244.4	196.9	112.4	784.8	155.3	147.6	192.7	198.7	344.9	65.1
O		156.7	240.1	194.8	111.3	756.8	140.0	143.0	186.4	195.5	338.6	82.1
N		156.7	221.1	177.8	109.2	353.5	165.5	137.9	178.8	188.0	314.3	76.1
D		143.2	217.6	174.8	106.7	235.0	159.1	138.2	168.4	181.6	327.0	72.1
1958 J		144.8	222.7	171.1	105.6	185.3	146.9	152.9	146.4	150.9	366.3	71.1
F		150.6	230.8	176.5	112.9	191.8	151.4	160.6	157.1	170.4	380.4	72.1
M		150.4	220.6	174.8	113.4	133.3	153.1	145.0	160.2	170.4	339.9	56.1
A		149.9	213.4	179.6	111.2	188.0	150.7	143.4	161.4	171.0	294.5	54.1
M		156.8	222.3	183.1	106.7	279.2	145.1	139.4	161.7	162.6	292.6	50.1
J		161.1	235.4	205.1	115.4	487.1	149.8	138.1	157.2	156.6	294.0	45.1
J		152.5	234.6	189.9	106.2	506.9	139.2	117.6	144.4	144.7	328.7	43.1
A		153.6	230.8	190.8	106.2	503.3	138.0	119.8	178.7	183.2	300.5	24.1
S		158.6	240.7	199.8	108.9	595.5	127.3	111.5	199.8	211.0	315.4	52.1
O		159.3	228.9	172.8	112.4	450.0	100.9	33.7	221.2	231.9	323.8	67.1
N		162.8	224.7	164.1	111.0	205.3	94.1	30.0	212.4	227.6	340.4	69.1
D		152.1	219.5	156.1	105.9	132.7	85.1	30.2	156.8	159.1	377.6	70.1
1959 J		154.0	230.7	165.4	105.7	155.9	110.3	73.6	152.5	155.9	403.6	67.1
F		162.5	244.7	185.2	112.8	183.2	138.2	127.4	170.4	178.7	401.9	52.1
M		161.4	236.6	187.0	109.7	196.6	144.9	136.5	187.2	195.0	381.3	40.1
A		164.3	233.8	193.9	109.6	259.1	148.4	146.6	189.3	190.7	325.6	54.1
M		187.4	235.5	195.8	110.2	412.2	145.8	152.1	190.1	188.3	310.9	34.1
J		173.4	255.2	205.6	104.5	646.6	170.8	157.0	217.9	212.0	344.8	38.1
J		163.1	260.5	217.6	106.4	621.9	161.2	148.3	188.9	184.3	344.4	46.1
A		163.7	256.2	210.7	101.2	843.3	156.6	153.6	187.1	182.2	347.2	28.1
S		172.6	278.3	225.0	105.7	834.5	165.1	153.2	206.0	201.3	390.0	58.1
O		176.6	270.1	223.5	111.4	729.9	160.8	157.5	215.6	222.0	361.6	67.1
N		171.7	260.0	211.6	117.4	534.1	163.0	159.8	227.3	240.2	381.6	69.1
D		162.3	251.3	194.1	105.9	170.0	153.9	171.4	164.5	171.2	404.6	63.1
1960 J		166.2	253.7	189.7	109.8	183.1	163.2	159.6	183.0	171.0	431.0	63.1
F		169.5	258.6	208.0	112.8	199.4	171.4	161.0	177.9	189.5	403.2	62.1
M		170.5	255.8	197.8	109.4	201.1	174.4	163.2	190.0	207.6	409.5	59.1
A		164.0	234.3	187.7	106.7	222.6	161.9	166.1	190.1	204.2	349.0	41.1
M		169.4	250.0	189.6	110.4	488.8	168.4	157.9	207.7	216.7	377.6	42.1
J		173.0	258.2	203.0	112.9	648.2	174.3	174.2	196.4	203.9	369.9	42.1
J		161.5	263.1	211.3	114.8	680.0	172.3	163.6	168.2	168.2	379.0	45.1
A		162.4	254.1	208.0	106.9	721.4	170.4	175.7	185.0	189.1	345.8	35.1
S		169.9	264.7	207.4	107.5	637.1	160.0	172.4	212.3	224.9	376.5	62.1
O		171.3	253.4	202.2	117.5	473.0	162.2	165.3	207.8	211.3	351.1	64.1
N		170.9	252.1	188.7	114.6	222.0	176.2	167.6	227.3	236.9	378.5	70.1
D		159.9	241.1	181.7	110.6	198.4	169.2	176.4	185.0	193.9	391.3	51.1
1961 J		160.0	247.6	183.2	109.8	266.8	162.2	169.4	177.8	187.3	417.0	56.1
F		166.5	255.1	186.9	113.2	279.3	162.3	173.5	200.0	223.9	426.4	54.1
M		164.6	235.4	173.1	110.2	251.5	158.1	159.2	205.8	228.2	380.5	41.1
A		166.4	243.8	174.5	112.9	289.0	161.1	159.8	203.8	216.9	401.0	41.1
M		171.5	262.9	182.8	107.8	466.2	162.8	180.8	206.5	222.2	429.6	50.1
J		179.8	274.1	201.6	106.7	625.3	182.9	185.2	226.5	237.6	417.4	41.1
J		168.7	275.7	206.9	103.9	890.9	170.8	187.5	192.7	197.6	423.2	4.1
A		172.4	276.6	198.0	100.6	738.5	170.1	184.6	215.2	221.8	428.0	20.1
S		182.4	293.0	209.7	100.7	772.7	171.8	200.7	229.7	235.0	457.2	6.1
O		183.8	285.1	210.3	105.3	749.5	184.1	203.1	236.1	243.1	426.5	6.1
N		184.9	286.1	195.6	107.5	410.6	182.2	213.8	240.4	252.6	477.7	7.1
D		173.8	267.8	177.2	106.4	318.3	165.3	188.0	206.4	214.1	484.2	5.1
1962 J		173.3	275.1	180.9	100.6	326.8	153.6	194.8	194.1	208.5	516.0	5.1
F		181.9	279.5	180.1	102.5	294.5	164.4	185.7	212.4	236.0	522.9	5.1
M		182.4	277.9	180.8	102.6	317.2	169.1	198.7	224.8	248.9	507.2	3.1
A		180.2	267.3	186.7	107.3	453.1	160.9	182.8	224.2	238.1	441.0	3.1
M		188.4	290.4	207.9	98.9	822.0	170.1	190.1	225.6	238.9	459.2	4.1
J		194.8	293.3	220.0	97.5	956.2	188.2	177.9	236.2	244.2	432.6	4.1
J		182.0	295.2	213.8	98.1	951.8	181.8	174.5	209.8	212.6	458.8	4.1
A		183.5	301.9	216.3	96.2	944.3	197.5	183.9	234.0	245.6	467.2	3.1
S		193.6	305.3	212.5	100.6	885.4	190.9	182.6	238.6	242.8	490.2	4.1
O		195.4	300.1	204.3	100.1	804.3	174.7	153.2	246.1	252.4	485.0	5.1
N		194.6	288.5	190.5	99.9	448.0	193.7	197.1	233.9	243.0	483.7	5.1
D		182.2	274.2	179.0	97.2	386.0	174.9	189.5	190.7	197.7	505.5	5.1
1963 J		182.6	278.0	169.7	94.2	325.4	158.1	186.6	201.0	216.4	543.2	6.1
F		190.7	286.5	176.0	98.7	356.1	158.0	176.7	203.1	220.3	557.6	6.1
M		192.0	286.4	181.2	95.6	437.5	167.4	177.1	210.1	228.3	541.0	4.1
A		189.3	272.6	190.4	98.0	540.3	169.0	188.3	207.1	223.6	462.1	4.1
M		197.2	296.2	205.7	99.0	831.3	164.9	184.1	234.9	242.6	482.5	4.1
J		203.6	304.0	211.1	99.3	886.4	187.0	167.2	231.5	231.7	494.0	4.1
J		183.0	280.7	182.3	87.1	737.7	162.5	133.7	201.2	206.0	481.9	4.1
A		190.3	294.8	197.8	93.5	822.7	179.3	168.6	244.1	256.9	486.0	4.1
S		204.8	318.4	219.5	98.3	1,034.2	193.6	173.2	251.7	264.1	513.5	1.1
O		207.6	311.4	206.7	97.0	807.1	190.1	170.5	256.4	284.3	518.1	1.1
N		210.8	306.7	201.7	96.5	663.3	195.9	170.2	274.4	288.6	522.1	1.1
D		199.1	296.7	183.7	88.8	607.1	162.4	175.6	221.9	225.8	561.1	1.1

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Continued

	Mining		Manufacturing total	Non-durable manufacturing						
	Fuels			Non-durable manufacturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
Unadjusted for seasonal variation										
6 D	344.8	930.0	142.8	135.7	129.9	129.0	160.0	106.5	114.2	114.1
7 J	382.6	940.3	138.4	130.3	106.9	107.8	124.0	99.5	71.0	110.8
7 F	371.1	910.4	145.3	139.8	113.5	113.2	140.2	109.1	71.0	117.0
M A	314.6	890.4	147.5	140.7	119.2	116.5	159.5	117.0	67.0	118.1
M A	294.2	879.7	143.3	136.8	117.9	112.4	122.1	129.1	63.4	111.0
M J	220.3	912.4	146.7	139.5	130.3	124.9	121.2	154.0	104.3	115.0
J A	201.1	914.3	150.7	145.5	150.2	143.8	167.6	180.8	130.9	116.7
J A	181.9	934.6	141.0	135.6	148.4	143.1	119.5	166.5	218.6	110.9
S O	191.8	878.6	143.0	144.7	156.6	155.6	128.4	160.7	279.4	119.5
N D	229.4	829.0	144.2	148.7	160.1	162.9	181.1	151.8	258.3	124.9
	321.4	772.6	142.8	144.7	152.4	152.9	137.8	134.5	237.7	117.7
	389.9	707.4	144.0	142.9	145.5	139.7	169.2	120.6	128.4	125.9
	443.1	744.3	128.3	127.5	126.2	125.4	161.9	113.7	95.1	112.1
	468.5	853.2	128.9	125.2	113.4	116.7	152.8	107.6	65.9	117.2
J F	490.4	889.1	134.5	132.7	116.9	115.4	140.3	115.7	65.3	120.5
M A	469.9	804.7	136.3	134.1	121.0	117.8	144.4	126.8	66.3	128.9
M A	370.7	692.5	137.1	135.2	128.6	122.9	141.1	138.2	69.0	127.3
M J	310.3	699.1	144.8	141.1	141.2	135.8	141.1	159.2	105.9	138.5
J A	274.1	716.3	148.8	145.4	153.1	147.7	141.3	187.2	147.2	132.0
J A	261.0	817.0	139.2	138.3	153.8	150.4	136.2	172.9	214.0	121.8
S O	282.2	768.7	141.0	146.6	158.3	159.0	147.5	167.5	248.0	134.0
N D	352.2	755.3	145.0	150.9	158.9	162.6	154.7	156.2	263.4	132.1
	388.2	749.0	146.3	153.4	164.9	166.5	169.5	139.6	247.4	136.4
	519.4	778.0	149.6	154.7	158.7	152.3	184.3	125.6	148.8	153.2
	632.0	868.5	136.5	138.3	134.3	134.2	167.6	118.9	112.3	125.6
	675.9	941.3	137.0	136.0	119.7	124.2	171.2	109.2	65.9	128.2
J F	612.0	969.2	145.1	144.4	122.4	123.7	158.9	119.3	62.7	133.4
M A	546.4	883.0	145.7	144.0	124.9	122.6	166.4	129.1	60.7	127.7
M A	456.1	770.2	149.7	148.3	137.6	133.4	179.4	138.7	72.3	132.8
M J	417.0	766.1	154.1	151.9	147.2	141.5	169.0	164.4	99.6	135.5
J A	376.6	859.0	159.3	154.4	159.5	152.3	158.0	190.4	151.2	130.7
J A	336.1	847.8	147.4	144.9	157.3	153.6	156.9	175.3	198.0	129.0
S O	369.1	883.5	148.4	155.8	173.6	165.3	160.9	170.7	260.3	132.8
N D	424.7	946.9	155.2	159.3	166.8	166.1	180.7	165.7	238.8	131.4
	511.2	841.7	159.6	160.4	165.9	165.3	175.7	145.3	213.3	140.9
	651.3	823.8	153.4	157.9	159.2	155.5	185.8	130.1	158.3	141.8
	670.3	951.9	142.9	143.4	136.9	136.3	154.6	122.1	130.0	124.2
	703.1	1,022.6	146.5	144.0	124.9	128.2	177.6	118.6	68.4	125.5
J F	697.2	947.7	149.4	148.3	128.4	127.5	159.3	128.0	73.1	127.0
M A	697.8	970.5	150.9	149.2	130.4	127.4	158.9	133.9	63.9	131.0
M A	553.5	846.8	147.5	146.8	136.3	131.7	161.2	147.2	73.5	130.1
M J	500.7	931.1	152.9	152.3	153.0	145.6	157.8	173.8	123.7	132.8
J A	463.5	912.8	156.6	156.3	160.8	153.0	146.8	197.2	148.4	133.7
J A	431.0	936.0	143.6	146.4	162.3	160.5	147.7	178.6	228.3	128.8
S O	436.7	863.4	145.3	153.9	167.0	162.1	147.4	172.9	242.6	130.8
N D	485.3	895.0	151.9	159.7	168.2	167.7	153.7	166.9	250.1	140.9
	571.9	811.0	154.4	161.6	172.9	168.8	163.5	151.6	236.2	141.9
	690.4	865.3	152.5	158.9	162.0	156.3	168.6	134.4	159.7	141.3
	839.5	916.6	139.9	143.6	136.7	136.5	135.8	130.4	126.3	126.7
	854.1	980.2	138.6	142.1	122.6	126.4	150.9	121.3	72.7	127.7
J F	816.0	1,012.7	145.0	148.8	129.9	129.4	146.1	130.1	78.9	134.4
M A	780.3	910.7	146.3	149.5	132.6	129.8	145.9	146.3	68.1	135.2
M A	698.2	968.9	147.9	152.2	140.9	136.1	164.1	149.2	70.0	138.9
M J	613.1	1,049.8	152.3	154.7	147.4	143.5	149.6	170.1	98.4	140.5
J A	557.9	1,029.1	161.6	163.2	167.6	161.5	155.1	204.0	158.7	140.5
J A	521.8	1,057.8	149.7	153.7	172.7	168.7	155.3	189.1	258.4	141.2
S O	553.9	1,093.4	153.4	161.3	172.4	168.1	153.6	179.2	257.3	141.0
N D	601.8	1,124.8	162.3	168.0	174.4	171.7	168.9	174.4	251.8	139.1
	686.0	1,011.5	163.9	168.4	175.5	174.3	178.2	157.7	236.9	139.8
	836.0	1,139.4	163.6	167.5	168.3	161.5	183.4	140.8	163.1	147.6
	1,024.7	1,146.7	151.6	154.2	145.6	143.2	145.5	137.7	132.7	136.7
	1,117.1	1,226.2	148.9	150.5	128.3	131.5	163.6	123.9	76.9	134.8
	1,190.2	1,246.1	158.2	159.0	134.6	133.4	160.7	133.0	83.2	135.7
	1,080.0	1,214.9	160.1	160.3	139.9	134.9	165.1	143.6	74.3	139.7
	930.9	1,070.4	160.1	159.9	145.5	138.9	160.6	157.7	77.5	130.5
	882.5	1,114.4	167.8	165.3	159.5	151.6	157.5	172.7	125.9	136.3
	849.8	1,043.8	176.1	173.0	177.6	164.7	154.4	206.7	159.1	147.9
	829.0	1,116.6	162.3	161.0	173.1	170.4	145.5	186.1	270.8	138.9
	866.4	1,161.8	162.3	167.4	176.5	173.4	150.6	177.8	284.6	134.2
	936.4	1,188.9	173.5	175.0	178.4	175.7	160.6	178.7	267.6	141.1
	1,020.2	1,146.4	175.2	174.6	175.7	175.7	169.1	152.5	245.5	138.7
	1,122.4	1,131.9	173.7	173.1	168.8	162.7	178.8	141.2	168.3	140.8
	1,243.7	1,186.7	160.3	158.5	149.2	144.9	144.0	138.2	142.2	131.7
	1,371.3	1,264.0	158.2	153.8	129.7	133.0	156.1	131.1	83.7	134.2
	1,395.9	1,306.0	166.3	162.6	139.5	138.6	159.9	137.7	96.0	143.4
	1,235.8	1,298.0	169.4	168.4	144.8	138.9	161.8	147.4	88.0	143.6
	1,149.1	1,088.0	168.9	165.8	146.8	140.0	160.6	158.7	86.8	135.4
	1,060.5	1,152.1	176.2	171.4	159.0	151.7	164.7	172.9	132.7	139.9
	993.6	1,200.6	184.0	178.2	178.7	165.8	158.2	212.3	177.2	148.2
	971.3	1,168.8	163.5	162.1	167.4	160.6	148.5	190.7	206.3	131.0
	984.4	1,198.7	170.0	179.1	183.5	175.2	154.9	182.8	273.7	141.3
	1,087.9	1,228.1	183.3	185.0	180.4	178.2	171.4	181.1	259.7	149.8
	1,145.2	1,227.1	186.1	187.1	184.1	183.4	178.6	159.8	266.2	157.9
	1,330.6	1,212.5	187.6	184.2	178.3	169.6	190.6	143.2	179.4	167.2
	1,432.4	1,315.0	173.4	169.2	153.5	151.9	157.6	144.0	134.7	158.9

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Continued

		Non-durable manufacturing									
		Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
		Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Boots and shoes
Unadjusted for seasonal variation											
1956 D		137.5	129.9	132.9	120.7	114.0	192.8	144.6	150.2	104.4	100.3
1957 J		118.5	116.1	104.3	108.4	95.8	119.9	149.8	153.3	115.4	119.7
F		117.4	118.9	114.1	99.6	114.3	132.2	156.7	174.7	128.1	136.8
M		118.8	112.8	127.8	115.7	138.0	122.0	157.5	165.3	133.3	145.6
A		130.5	112.0	135.2	100.2	155.3	132.7	169.4	148.7	121.9	132.8
M		132.6	119.9	147.3	142.0	153.4	144.2	177.1	156.5	119.5	129.2
J		139.3	123.7	170.4	162.1	176.1	174.2	181.8	164.9	115.9	121.7
J		134.9	113.7	165.0	177.8	165.5	155.9	133.3	118.8	83.7	83.7
A		134.5	120.7	159.8	168.8	152.8	171.2	165.0	108.7	116.7	122.2
S		133.5	130.8	151.4	128.5	137.5	198.0	161.2	149.1	113.4	115.5
O		133.2	153.3	150.7	111.1	127.1	249.3	172.6	150.3	119.1	125.0
N		131.8	151.5	163.8	114.6	139.5	281.0	159.9	158.4	115.6	117.7
D		129.8	128.0	129.0	127.1	118.8	155.9	147.5	124.9	105.0	99.9
1958 J		130.0	117.7	103.1	113.5	90.8	119.4	148.5	114.8	111.4	114.4
F		128.7	116.1	121.5	107.2	125.3	131.0	171.7	132.4	123.2	136.6
M		128.8	110.3	131.0	128.0	133.4	131.3	170.3	124.7	123.6	140.0
A		135.2	122.5	146.6	134.3	151.3	154.4	171.2	127.1	114.6	128.8
M		139.4	131.2	158.1	142.5	160.3	175.9	181.3	134.9	113.7	124.4
J		146.2	133.7	170.2	173.8	171.3	168.9	197.3	155.3	113.7	122.2
J		145.0	117.7	164.6	188.3	164.5	143.5	153.9	122.9	82.7	84.4
A		143.7	122.4	156.4	213.4	126.3	163.6	175.9	112.0	120.3	131.1
S		142.5	132.8	147.3	153.7	95.0	243.9	190.7	157.8	122.4	131.1
O		141.8	162.1	160.0	127.2	130.7	250.7	172.0	149.1	120.3	126.6
N		139.1	159.1	178.9	127.6	151.8	306.2	190.1	170.3	121.7	126.6
D		133.7	138.0	134.8	141.4	122.2	158.9	155.8	145.4	105.1	105.1
1959 J		132.5	128.5	105.4	117.6	82.0	144.9	156.7	146.8	118.2	127.7
F		132.2	129.2	118.4	108.4	104.2	163.7	187.7	183.7	133.6	152.2
M		132.5	114.2	132.0	111.6	141.5	136.8	175.3	165.7	130.2	147.7
A		138.2	130.9	151.1	141.1	148.9	172.5	183.0	169.5	132.8	149.9
M		140.9	135.4	165.4	155.0	160.8	194.5	185.7	171.9	126.6	140.0
J		147.0	135.9	182.1	181.5	186.9	179.9	199.3	181.7	123.5	135.5
J		147.8	122.4	169.1	213.2	160.7	144.3	145.0	137.8	89.8	92.2
A		146.3	128.0	199.8	224.6	174.7	237.7	168.9	124.4	124.1	136.6
S		145.2	136.7	168.8	168.7	138.4	224.5	187.9	171.1	121.6	132.2
O		149.4	163.0	167.8	157.0	130.8	267.8	198.3	164.4	120.0	129.2
N		148.0	160.3	170.8	133.2	152.7	259.6	196.7	174.7	116.9	123.9
D		143.5	135.5	138.9	159.4	121.7	157.1	173.8	141.6	106.3	110.0
1960 J		135.2	132.5	114.5	127.3	96.6	140.9	171.5	158.0	116.4	130.0
F		133.4	135.2	131.2	135.9	116.0	162.5	178.0	170.6	126.1	144.4
M		134.6	134.4	140.0	128.8	145.9	142.7	182.4	158.8	123.8	143.3
A		138.6	132.6	150.8	135.1	156.4	160.1	168.9	143.6	115.6	132.2
M		142.7	139.6	176.3	175.4	173.2	190.6	186.6	135.1	104.1	116.6
J		148.2	143.2	185.4	175.6	182.4	210.9	200.8	154.4	105.5	117.7
J		153.8	129.6	167.9	202.3	173.8	120.9	135.0	121.6	78.6	78.6
A		152.1	131.8	182.5	199.6	153.5	231.0	183.3	109.6	114.1	128.8
S		150.8	148.1	169.9	164.0	132.3	245.9	202.7	148.3	122.5	137.7
O		149.4	167.9	186.0	162.7	144.4	302.2	195.2	142.2	115.2	126.6
N		147.6	176.1	179.8	153.7	152.4	278.1	196.7	152.6	114.9	120.0
D		142.4	143.2	137.5	143.4	129.6	151.3	182.6	125.3	105.0	108.0
1961 J		138.4	137.8	110.6	136.8	87.1	134.3	177.4	124.1	115.0	124.4
F		137.4	142.2	131.6	133.7	117.2	164.8	193.8	134.8	132.2	151.1
M		139.8	137.8	141.5	119.4	145.7	160.2	186.3	136.9	131.9	148.8
A		145.5	141.7	155.9	147.9	156.0	168.6	194.5	143.7	130.9	146.6
M		149.4	148.5	159.7	141.5	162.9	174.0	196.5	142.5	120.1	129.2
J		160.0	149.7	187.0	194.6	180.0	201.1	231.3	161.7	125.6	133.3
J		156.6	122.9	185.1	235.1	177.7	152.4	148.9	132.4	91.3	91.3
A		153.0	133.2	185.9	225.8	161.4	204.0	197.3	117.1	125.6	138.8
S		152.5	146.8	182.8	187.8	145.0	253.0	204.7	164.1	133.0	141.4
O		155.2	172.2	179.5	144.4	147.2	286.1	207.7	167.8	128.7	133.3
N		153.3	172.2	190.7	151.8	156.3	320.3	209.1	167.5	132.0	133.3
D		148.7	151.6	153.3	168.6	135.0	182.0	175.9	155.8	118.9	121.7
1962 J		133.7	146.9	118.3	129.8	85.7	180.5	195.2	145.1	130.5	140.0
F		133.1	146.9	138.5	145.8	123.1	169.4	204.1	167.3	140.6	151.1
M		135.9	144.3	155.6	138.5	150.1	193.6	207.7	160.2	140.5	151.1
A		142.8	153.3	166.3	143.5	173.6	182.7	198.7	162.7	133.0	141.4
M		147.9	162.1	184.2	185.7	184.0	190.0	210.0	166.4	123.4	131.1
J		155.4	164.1	218.3	224.0	203.4	256.0	236.9	192.5	129.3	131.1
J		151.9	138.2	181.8	221.6	196.0	110.6	157.5	147.9	93.6	93.6
A		150.0	148.4	186.2	210.4	156.2	232.9	201.7	125.9	128.2	141.4
S		149.7	160.1	186.7	200.2	146.1	250.4	216.2	196.1	130.2	141.4
O		151.6	188.6	175.9	132.8	146.2	293.9	212.4	186.9	126.4	131.1
N		148.5	186.1	188.0	163.1	157.1	290.9	220.3	195.5	130.0	131.1
D		144.2	160.6	163.0	180.0	154.0	168.8	184.2	164.8	114.8	111.1
1963 J		132.2	152.0	119.1	143.6	86.0	167.5	195.8	170.4	130.7	141.4
F		130.8	158.1	142.0	137.1	127.6	183.3	224.6	202.1	139.7	151.1
M		129.6	157.4	163.5	136.6	160.5	206.5	219.0	204.9	139.2	151.1
A		135.0	155.3	168.3	167.7	168.1	175.9	210.6	183.3	129.5	141.4
M		139.2	157.1	182.0	179.4	173.2	211.5	223.7	193.5	123.2	131.1
J		145.5	157.5	219.0	231.5	207.3	241.5	238.8	225.4	129.9	131.1
J		145.9	143.2	189.1	229.8	199.2	127.3	169.8	155.3	88.2	88.2
A		145.9	157.9	210.0	239.0	173.5	268.9	204.2	150.6	127.9	141.4
S		143.7	167.5	187.4	182.3	155.9	251.4	192.3	200.0	132.5	141.4
O		141.4	195.7	186.4	150.2	146.3	315.5	205.4	201.1	129.8	141.4
N		139.8	193.0	205.8	180.6	170.2	323.6	219.4	211.4	135.1	141.4
D		136.1	177.2	158.5	166.6	151.4	170.4	188.2	188.0	118.2	111.1

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Continued

Non-durable manufacturing								
Textiles				Clothing total ¹	Paper products		Printing, publishing and allied industries	
Total	Cotton goods	Wool goods	Synthetic textiles and silk		Total	Pulp and paper		
Unadjusted for seasonal variation								
123.0	96.9	98.4	167.0	113.1	130.4	129.5	141.9	
117.5	103.0	81.6	152.8	119.2	131.8	131.6	134.8	
137.1	122.7	104.5	187.8	126.2	140.2	141.6	145.2	
127.8	105.4	106.8	171.8	129.0	143.3	143.8	143.1	
122.0	101.9	90.2	167.1	120.2	138.0	138.4	141.1	
117.2	95.3	87.4	160.2	114.2	141.4	141.3	141.1	
119.3	99.9	101.8	153.5	110.8	140.4	138.4	144.2	
90.9	71.9	69.8	103.6	108.8	134.2	130.5	136.9	
115.4	99.9	83.0	155.3	118.4	141.2	138.6	132.8	
120.7	103.2	85.2	167.7	120.0	136.3	132.4	138.3	
115.3	101.6	77.3	152.8	116.0	136.5	133.3	134.4	
124.6	110.7	85.8	170.3	112.5	132.6	129.3	132.3	
103.3	83.9	69.4	136.3	106.1	110.2	103.4	133.7	
98.7	89.1	66.4	120.0	115.1	116.7	112.3	122.1	
109.1	94.9	75.9	147.1	121.6	129.8	128.9	134.4	
104.6	90.3	73.8	137.2	122.0	133.5	133.3	137.3	
106.2	90.6	72.5	142.6	113.5	134.9	132.9	131.9	
106.5	87.2	76.5	143.2	109.0	139.0	135.6	138.8	
111.7	88.2	71.6	164.0	108.4	137.8	132.3	132.5	
84.9	56.4	54.5	113.3	106.6	134.5	127.8	128.3	
111.6	91.4	75.7	157.8	116.1	140.2	134.3	131.3	
119.1	104.9	77.3	164.8	120.6	139.6	133.5	134.6	
122.8	97.8	84.8	177.0	115.0	147.8	142.6	135.6	
128.0	106.3	90.1	180.8	116.3	144.8	140.8	149.4	
115.0	84.9	71.8	170.1	109.3	128.5	123.3	137.0	
116.9	95.1	69.9	168.1	110.6	133.3	130.1	128.2	
132.1	109.6	89.5	193.2	120.1	139.2	137.3	136.0	
127.8	108.1	77.5	186.1	119.6	139.3	136.2	143.9	
132.7	110.6	84.1	194.7	115.2	144.6	141.5	144.9	
126.4	99.2	86.3	180.1	111.8	149.8	147.9	145.7	
128.8	96.9	88.8	188.9	111.1	146.9	143.3	142.8	
97.8	55.3	66.7	138.0	107.4	142.9	137.7	136.2	
126.0	93.2	89.8	185.3	113.2	146.3	141.9	138.2	
128.8	93.8	100.1	185.3	119.4	146.2	141.5	148.4	
130.1	94.0	91.6	192.9	114.7	155.2	153.3	153.5	
129.8	94.1	93.5	191.7	111.3	154.1	153.5	153.3	
116.0	81.0	80.2	168.3	102.9	139.0	137.0	147.1	
125.2	87.5	87.2	192.1	111.0	140.5	141.0	143.0	
130.5	93.8	85.3	206.6	117.1	145.5	146.1	149.0	
135.7	100.7	89.3	215.8	117.3	147.3	150.3	145.7	
124.7	92.9	78.4	191.6	107.3	145.1	145.8	143.4	
123.1	92.5	68.7	193.3	102.1	151.9	152.2	148.3	
126.2	88.9	78.4	203.3	100.0	150.9	150.2	151.3	
90.4	56.7	53.0	126.3	100.1	146.0	143.3	138.3	
114.2	84.4	80.0	164.9	108.4	150.2	148.3	136.6	
123.0	90.6	81.9	186.5	112.8	150.6	148.5	147.1	
127.5	96.4	84.5	192.5	109.1	156.3	155.6	152.7	
127.1	98.8	81.1	190.2	107.8	158.5	160.1	156.6	
122.2	91.6	74.6	187.7	101.8	138.2	136.6	146.3	
124.7	94.2	70.5	199.0	107.6	141.6	142.5	142.6	
133.7	99.2	78.8	220.8	113.8	147.7	151.5	144.7	
134.9	97.3	80.5	225.0	113.7	148.3	151.1	151.4	
130.8	95.8	79.3	211.6	104.4	152.1	153.1	148.3	
132.6	99.2	74.2	217.0	101.0	155.5	155.8	149.5	
142.4	98.1	94.6	239.3	101.4	157.5	154.6	143.3	
108.8	68.0	67.0	169.2	102.4	152.2	148.6	138.8	
128.9	95.2	76.0	207.0	107.1	156.3	152.6	141.3	
144.5	107.6	90.6	236.9	114.0	155.9	154.7	153.3	
144.4	114.8	85.1	229.5	108.9	163.1	162.7	157.1	
146.8	113.4	88.5	236.7	108.0	163.4	164.1	156.5	
142.4	102.6	78.2	242.0	102.4	146.8	145.4	151.5	
139.2	104.9	71.0	233.9	107.1	146.8	147.4	143.1	
153.6	118.1	81.8	264.7	112.4	155.4	158.3	153.7	
150.4	118.6	76.7	255.1	114.5	158.3	159.7	157.5	
142.1	114.0	89.6	218.9	108.6	157.9	157.4	155.2	
148.8	111.0	81.6	251.0	105.1	160.1	160.2	160.1	
155.0	99.9	97.3	272.8	106.9	163.4	161.4	164.0	
120.0	72.3	73.3	188.8	107.0	157.0	153.0	147.6	
134.8	93.0	83.1	213.7	112.9	162.1	159.7	147.5	
154.3	110.3	99.8	251.8	118.8	164.8	163.9	154.8	
155.5	114.1	93.4	253.1	115.5	167.1	167.1	160.1	
159.3	109.7	89.6	274.2	113.8	167.2	168.2	161.6	
145.7	97.2	81.7	245.5	109.7	149.0	146.4	152.5	
148.0	100.4	77.7	261.6	125.8	147.9	146.4	146.1	
159.7	109.0	89.5	287.7	137.8	151.0	151.7	151.2	
162.0	109.6	84.2	298.3	142.6	161.2	163.1	157.4	
155.8	109.0	72.3	283.6	135.0	159.4	159.6	157.8	
159.8	106.2	93.4	285.2	124.3	167.1	167.4	160.0	
169.5	114.2	107.6	301.3	113.5	166.5	164.5	158.3	
119.6	70.8	72.6	190.2	115.8	159.7	156.0	147.3	
154.4	109.4	90.4	263.0	159.9	168.9	166.8	149.9	
170.9	120.9	97.4	301.9	160.0	172.3	171.0	164.2	
173.3	124.0	106.1	298.9	168.9	173.0	172.4	167.4	
172.3	124.0	98.9	298.6	142.8	176.9	178.5	163.5	
169.0	117.3	87.4	302.0	118.0	167.2	167.7	157.2	

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Continued

TABLE 2. Indexes of industrial production										
	Non-durable manufacturing					Miscellaneous manufacturing	Durable manufacturing			
	Products of petroleum and coal		Chemicals		Durable manufacturing total		Wood products			
	Total	Petroleum Products	Total	Acids alkalis salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods	
Unadjusted for seasonal variation										
1956 D	221.8	234.7	168.1	186.1	153.2	151.0	114.9	108.2	211.1	
1957 J	219.4	231.5	173.0	186.0	149.2	147.9	111.5	105.4	196.1	
F	228.8	241.6	182.5	188.5	149.8	151.6	128.0	130.6	229.1	
M	219.2	230.9	182.4	192.6	152.9	155.4	134.3	139.3	241.1	
A	200.2	209.9	187.3	201.1	154.4	150.9	116.0	113.4	243.1	
M	215.9	227.6	180.9	209.8	153.1	155.1	130.2	134.4	273.1	
M	232.5	246.6	183.1	199.5	152.5	156.7	148.9	160.7	245.1	
J	245.5	261.7	167.7	190.7	151.4	147.4	137.9	144.0	206.1	
J	239.1	254.2	178.6	187.9	153.2	140.9	142.4	149.1	259.1	
A	228.5	242.7	194.6	197.2	157.4	139.0	136.4	139.0	242.1	
S	221.7	235.9	194.2	203.8	158.5	140.7	124.8	122.4	275.1	
O	219.3	232.9	195.8	205.8	156.2	145.3	112.4	105.3	212.1	
N	212.4	226.4	180.4	205.5	150.8	129.3	105.2	96.8	201.1	
D	223.6	238.7	181.1	207.1	146.7	133.2	115.6	115.3	223.1	
1958 J	214.3	228.6	184.3	210.4	147.2	136.5	126.4	132.4	249.1	
F	200.6	212.9	188.5	215.6	151.2	138.8	129.6	136.3	253.1	
M	179.4	189.6	199.5	230.8	156.9	139.3	114.6	112.9	248.1	
M	197.8	210.5	207.6	239.5	160.5	149.1	134.3	139.9	245.1	
J	215.2	230.5	208.9	234.8	163.8	152.6	146.6	156.9	246.1	
J	235.0	253.0	192.3	229.4	167.0	140.3	139.4	145.7	201.1	
A	225.2	244.1	198.4	225.3	171.8	134.6	145.7	153.5	251.1	
S	225.0	244.3	205.9	229.7	178.9	138.2	144.7	150.6	272.1	
O	220.7	238.6	208.0	232.3	183.7	138.1	140.4	143.7	325.1	
N	231.4	249.6	210.7	231.8	185.3	143.7	128.8	127.1	268.1	
D	233.6	252.3	190.5	230.5	182.4	134.4	118.3	113.4	247.1	
1959 J	235.3	253.8	197.6	232.8	175.8	138.2	128.8	131.3	255.1	
F	240.8	259.2	206.0	236.6	175.2	145.9	141.8	150.8	297.1	
M	240.2	257.9	202.2	240.0	175.9	147.7	141.0	149.9	287.1	
M	210.6	224.1	210.1	248.5	176.4	151.3	129.4	132.5	301.1	
A	233.1	248.7	214.2	253.4	178.3	156.8	145.8	154.3	277.1	
M	238.2	255.5	207.0	247.1	180.0	165.0	164.7	181.2	304.1	
J	244.7	262.8	199.3	240.1	181.7	150.3	130.8	131.5	11.1	
J	248.2	266.6	206.4	242.3	185.3	139.6	126.6	124.1	9.1	
A	256.6	276.4	219.7	251.7	191.5	150.4	135.8	136.1	21.1	
S	247.0	264.8	218.7	257.3	195.7	158.7	141.6	144.6	29.1	
O	250.1	267.7	215.5	255.7	195.3	148.0	126.8	123.8	30.1	
N	253.2	271.5	203.8	257.7	187.1	142.5	126.1	125.6	29.1	
D	261.0	280.6	213.7	257.2	181.0	149.6	133.0	138.8	28.1	
1960 J	254.6	273.3	214.2	252.7	181.2	150.7	141.2	151.4	31.1	
F	248.1	264.9	217.0	249.9	184.4	152.9	140.7	150.7	31.1	
M	229.0	243.9	223.9	259.8	186.6	148.3	124.1	126.2	29.1	
M	243.7	261.4	226.1	270.9	185.4	153.6	138.3	146.5	30.1	
A	258.9	279.9	230.4	270.4	186.8	156.9	153.8	167.8	29.1	
J	257.9	279.0	215.5	268.5	189.1	140.4	141.4	148.3	18.1	
J	254.3	274.7	218.9	265.4	192.5	135.2	146.5	153.9	22.1	
A	252.2	272.4	230.9	263.5	199.3	142.8	141.6	145.5	24.1	
S	244.8	263.6	227.6	261.4	205.4	146.0	133.1	133.5	24.1	
O	254.0	274.7	215.5	255.9	207.4	145.0	119.7	116.0	25.1	
N	248.3	269.0	203.0	254.1	200.3	135.6	118.2	116.1	23.1	
D	249.8	270.6	213.4	253.3	192.6	134.4	123.4	126.0	24.1	
1961 J	253.2	273.9	217.7	251.7	194.4	140.6	135.6	145.0	26.1	
F	243.7	262.4	212.9	252.7	195.0	142.5	139.0	150.2	29.1	
M	249.7	268.3	225.2	259.3	197.3	143.0	125.0	129.1	29.1	
M	257.1	276.5	228.1	271.2	201.7	149.6	137.3	145.4	31.1	
A	262.3	282.0	234.7	268.8	207.5	159.8	156.8	172.0	31.1	
J	232.3	248.2	217.9	257.5	211.3	145.0	150.3	161.4	26.1	
J	282.8	305.7	222.3	254.3	217.3	144.2	151.5	161.6	31.1	
A	281.3	303.8	229.3	254.1	227.8	155.6	152.3	160.8	33.1	
S	253.3	272.6	226.9	253.4	236.5	158.5	141.3	144.4	26.1	
O	272.2	293.6	223.6	252.8	241.0	159.2	132.9	132.9	30.1	
N	267.9	289.8	212.7	257.5	233.5	148.6	130.2	131.1	28.1	
D	275.6	298.5	222.8	261.7	224.6	147.1	134.6	140.6	28.1	
1962 J	283.7	307.4	231.7	261.2	223.8	157.3	151.9	165.2	33.1	
F	260.1	280.0	232.4	259.6	226.1	159.9	154.0	168.0	33.1	
M	246.5	264.8	241.8	271.9	226.8	160.3	137.6	143.6	33.1	
M	260.5	280.4	243.5	290.4	227.2	170.6	149.7	160.2	33.1	
J	254.8	273.3	250.8	288.1	232.6	179.8	168.6	185.9	33.1	
J	254.2	272.8	233.7	281.0	235.7	163.8	159.0	170.6	33.1	
A	285.2	307.0	231.1	264.1	241.4	156.4	161.7	173.5	28.1	
S	286.6	309.4	235.1	249.0	249.9	171.7	167.5	180.3	33.1	
O	291.9	315.8	232.7	253.1	255.4	175.8	153.6	160.1	33.1	
N	286.9	310.8	227.3	254.6	256.9	174.5	141.4	143.7	33.1	
D	287.1	311.3	215.9	257.5	245.9	162.4	138.8	141.9	33.1	
1963 J	288.9	312.6	222.9	256.7	234.0	163.4	142.9	150.1	33.1	
F	286.9	309.3	234.8	273.2	233.1	170.7	163.4	181.5	33.1	
M	297.7	321.6	244.8	299.6	235.5	170.6	161.7	179.3	33.1	
M	275.9	296.8	249.5	311.8	237.6	172.6	142.1	150.4	33.1	
A	273.0	293.7	261.5	325.5	241.6	181.9	157.2	171.5	33.1	
J	281.6	303.3	266.9	318.6	245.5	190.7	179.2	202.6	33.1	
J	297.8	321.7	245.7	309.9	245.4	165.2	164.0	179.5	33.1	
A	302.9	327.5	250.4	304.1	249.7	159.3	167.7	182.8	33.1	
S	327.1	354.9	255.1	305.2	258.5	181.4	171.0	185.5	33.1	
O	306.1	331.1	254.6	306.2	263.0	184.8	162.0	172.7	33.1	
N	306.7	331.8	258.5	308.7	262.8	191.5	150.7	157.2	33.1	
D	307.4	332.5	244.9	304.3	252.5	178.4	146.6	152.4	33.1	

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Continued

Durable manufacturing										
Wood products		Iron and steel products					Transportation equipment			
Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles	
Unadjusted for seasonal variation										
D	86.7	145.5	140.3	159.5	140.4	145.1	135.2	172.2	329.2	211.0
J	88.6	140.0	141.8	158.5	132.2	158.9	130.0	171.4	340.1	205.8
F	123.0	137.4	147.1	156.9	158.8	159.0	126.2	165.6	348.6	190.6
M	133.1	137.9	149.5	154.8	167.2	158.4	124.6	176.3	351.1	218.4
A	95.1	135.1	144.5	152.3	127.9	158.0	126.7	179.9	342.4	226.9
M	121.1	134.2	147.6	151.3	163.4	155.8	125.9	178.1	351.1	220.7
J	159.4	136.4	148.2	150.5	157.0	156.9	130.8	169.6	356.1	201.4
J	137.5	138.0	139.2	146.0	121.0	149.4	133.2	150.6	354.5	158.7
A	137.6	143.5	134.1	142.3	107.2	139.2	132.6	119.4	350.7	88.8
S	125.0	148.9	136.9	140.9	106.5	140.9	128.8	102.8	355.2	50.1
O	98.2	149.6	136.8	138.0	118.6	147.6	123.7	115.6	353.6	82.5
N	82.9	147.9	132.6	134.1	111.8	145.6	118.7	154.9	351.0	181.9
D	74.1	143.4	117.3	130.5	81.1	118.0	113.7	129.9	350.6	118.3
J	100.7	134.9	122.1	123.6	141.6	126.2	112.8	137.2	342.9	144.1
F	123.0	131.2	125.2	119.5	150.8	128.9	115.3	140.4	333.2	156.3
M	127.0	133.1	127.8	120.4	152.8	132.1	119.3	145.0	331.8	165.5
A	92.6	135.8	129.5	121.6	144.4	136.9	126.6	150.4	340.2	173.7
M	129.2	139.6	134.4	122.0	171.5	130.9	134.7	157.9	338.5	189.9
J	149.8	140.3	139.1	121.9	169.5	143.6	142.4	151.8	331.8	175.2
J	137.0	142.4	126.8	121.2	130.4	126.1	150.1	125.4	333.1	119.1
A	140.9	147.9	125.6	121.9	125.4	98.2	155.0	91.0	331.8	46.7
S	133.6	152.7	129.1	124.1	127.6	95.5	158.5	95.7	329.8	57.1
O	117.3	155.8	126.3	124.6	133.3	95.2	152.7	109.9	324.4	91.3
N	102.0	155.6	131.6	125.4	135.8	124.3	141.8	142.0	318.8	171.5
D	88.2	151.2	122.3	125.4	113.3	123.5	132.5	143.6	317.6	172.4
J	116.2	143.8	129.0	125.2	130.0	144.4	129.9	141.5	320.2	164.6
F	139.4	142.0	134.5	125.9	143.7	147.3	131.4	151.9	259.6	198.6
M	139.9	140.5	138.4	126.6	152.9	150.7	135.4	150.1	234.6	194.1
A	111.1	140.4	144.7	129.2	159.5	168.0	142.5	158.9	241.9	209.9
M	143.1	144.3	148.0	135.1	161.7	161.5	148.3	156.9	243.0	202.0
J	174.3	144.0	155.2	140.6	164.9	171.1	156.6	160.7	245.5	212.4
J	125.4	144.3	146.6	141.3	150.5	160.8	162.9	135.9	244.3	159.3
A	117.7	149.2	148.4	139.7	146.2	159.7	165.6	82.2	241.6	32.2
S	120.7	153.9	156.8	140.4	163.1	179.6	167.4	96.7	239.7	66.0
O	125.4	154.6	162.9	143.4	193.1	194.7	161.7	123.2	241.2	130.6
N	96.2	153.1	157.4	143.6	171.9	193.2	152.3	102.4	242.3	87.9
D	104.2	146.0	144.2	140.3	152.2	180.8	141.2	117.6	238.4	128.0
J	126.5	138.1	144.7	137.8	178.2	180.4	133.6	149.9	238.6	204.9
F	142.4	136.3	142.7	135.5	148.3	183.7	130.9	144.3	233.9	187.4
M	141.7	135.3	143.9	135.9	156.0	186.5	132.6	152.8	232.6	207.8
A	109.8	135.3	139.6	137.7	140.8	168.8	136.8	154.5	236.1	209.3
M	136.9	135.3	141.2	137.9	142.1	164.9	143.6	156.1	236.5	214.7
J	167.3	137.0	142.2	137.8	136.4	161.5	150.9	147.7	234.6	198.1
J	151.7	139.9	127.0	137.8	97.4	140.2	152.9	112.3	226.6	119.8
A	154.2	146.0	131.0	135.2	103.5	143.8	153.8	70.8	225.7	22.7
S	139.5	150.7	136.0	132.5	142.5	161.0	155.8	96.6	236.7	84.0
O	123.3	151.2	136.8	132.7	149.9	166.4	151.3	117.3	245.6	133.2
N	96.8	148.0	137.5	131.7	193.2	159.4	144.3	129.6	253.5	164.7
D	102.1	142.1	125.4	128.8	184.8	128.5	135.4	127.9	260.9	160.8
J	118.0	136.4	125.3	125.7	172.8	141.1	128.6	126.7	266.6	156.9
F	141.9	132.8	129.8	125.4	171.3	152.7	127.7	134.2	271.5	173.0
M	145.6	131.5	135.1	127.9	179.7	162.8	129.2	132.4	272.2	166.7
A	114.7	132.7	135.5	130.1	147.3	169.4	134.4	139.7	268.5	186.8
M	132.4	136.5	140.0	131.6	128.5	189.3	139.7	139.5	266.8	187.3
J	164.7	141.1	149.0	133.5	164.3	194.2	147.6	146.6	267.3	198.1
J	153.7	144.1	136.7	135.4	117.6	176.5	152.2	111.9	262.4	111.4
A	146.7	150.2	147.8	136.7	166.4	186.7	152.4	80.7	258.7	31.7
S	143.9	156.2	152.6	138.5	170.8	191.4	153.1	111.4	263.1	108.0
O	126.4	156.7	147.7	139.8	147.9	188.9	148.8	135.2	272.2	166.7
N	109.7	155.1	143.2	138.8	124.4	179.9	142.3	153.1	280.5	210.2
D	111.8	150.3	130.4	137.6	111.5	155.3	136.5	145.9	286.9	191.3
J	127.1	145.5	131.1	136.6	91.2	168.3	134.8	143.9	287.5	185.0
F	158.2	143.2	141.7	137.2	128.0	184.0	136.5	156.4	284.0	213.1
M	163.1	143.2	144.4	140.5	144.3	178.2	140.4	161.5	280.0	220.6
A	127.4	143.9	146.6	143.0	142.7	188.0	145.6	170.2	269.2	239.5
M	150.5	146.5	154.5	145.3	150.7	205.4	153.8	181.5	262.9	265.4
J	181.8	150.5	163.4	147.9	166.8	214.9	167.3	182.2	263.1	266.9
J	160.5	153.4	150.8	147.9	129.5	194.5	174.9	141.9	256.6	175.9
A	166.8	157.6	158.9	151.4	136.2	206.9	179.0	85.1	252.4	26.0
S	169.1	163.9	165.9	158.0	163.2	200.3	179.0	138.6	253.2	159.2
O	143.8	164.7	160.9	161.5	136.6	192.8	169.4	165.7	245.8	225.2
N	123.1	160.8	160.9	160.8	137.2	206.4	158.8	180.2	235.4	261.6
D	123.3	156.4	145.5	158.7	99.8	176.7	147.9	172.9	229.4	243.9
J	137.1	150.6	146.1	155.6	125.8	189.8	144.2	183.4	229.9	270.1
F	177.6	146.2	155.7	154.4	159.9	205.9	146.3	183.9	232.9	269.2
M	176.4	145.1	158.8	154.9	175.4	207.2	148.8	180.5	230.0	258.8
A	135.0	145.2	159.7	157.0	165.5	213.5	152.2	197.8	225.9	299.0
M	164.5	146.5	166.6	160.0	165.2	225.5	157.9	203.1	227.6	308.4
S	205.2	148.5	173.5	162.0	182.0	230.7	166.0	208.3	227.3	324.5
O	177.1	150.9	154.6	162.1	120.7	208.2	168.8	142.4	220.2	170.1
N	178.2	157.1	160.4	160.8	140.8	211.1	169.5	88.9	222.6	36.6
D	173.2	163.3	170.1	162.3	148.4	228.4	167.0	157.6	233.8	199.6
J	156.8	163.2	169.5	165.1	149.5	227.9	159.7	185.9	244.3	262.2
F	134.8	161.2	170.3	165.0	150.8	243.6	154.6	227.9	252.6	362.4
M	131.2	158.4	155.8	163.6	129.1	210.8	147.7	217.2	258.5	330.2

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1953 - Continued

	Durable manufacturing									
	Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Unadjusted for seasonal variation										
1956 D	141.2	93.9	155.1	139.9	118.0	156.5	202.0	177.7	490.1	151.2
1957 J	141.4	95.6	155.9	136.6	113.9	153.1	186.4	176.4	346.7	149.1
F	136.2	95.4	161.4	135.3	109.9	151.5	189.2	174.7	363.2	163.0
M	130.4	95.4	167.8	132.4	106.5	148.8	187.1	172.9	336.4	181.7
A	131.7	96.6	171.8	130.8	102.9	148.2	178.4	168.2	295.6	169.6
M	132.6	96.4	170.0	128.4	103.5	144.4	176.8	164.1	307.4	164.0
J	128.1	95.5	167.0	117.0	104.2	126.5	182.9	160.4	363.2	172.2
J	119.3	94.5	165.1	118.1	104.4	128.0	171.3	157.2	290.7	149.0
A	106.7	90.4	162.9	120.6	105.5	130.9	174.7	156.8	353.1	124.6
S	100.9	87.7	160.5	118.4	106.5	126.3	193.8	159.5	495.1	143.7
O	105.4	88.0	153.9	130.7	105.2	145.8	191.0	158.6	484.9	139.7
N	111.8	86.9	151.7	133.6	102.8	151.4	192.0	155.5	497.7	143.3
D	113.3	85.1	152.0	129.6	100.6	146.9	179.6	156.0	399.2	131.3
1958 J	107.7	82.9	145.8	134.5	97.8	156.9	170.1	151.6	348.1	127.7
F	104.4	81.2	146.9	134.7	97.2	157.5	169.1	146.0	360.7	137.0
M	107.2	79.9	155.6	131.8	99.5	152.4	168.7	144.8	351.1	150.7
M	111.9	78.5	164.9	133.5	102.8	153.7	166.9	144.0	345.9	151.7
A	120.0	76.7	167.9	135.6	108.2	155.6	169.0	145.4	353.1	163.3
M	123.7	75.9	166.1	135.3	114.2	152.6	174.9	148.1	410.8	174.0
J	105.2	73.7	158.3	128.0	117.3	139.8	168.6	153.4	410.8	172.0
J	94.5	67.6	131.8	125.1	119.4	134.2	178.2	155.8	471.2	121.1
A	111.0	63.1	120.4	128.0	121.2	136.6	189.7	154.4	512.3	159.9
S	118.3	63.1	121.0	111.7	122.1	109.5	191.0	151.6	527.8	161.1
O	124.1	61.2	126.6	110.9	121.6	107.5	193.8	146.1	539.4	175.5
N	134.5	58.5	128.6	111.5	120.2	110.1	174.3	139.6	375.0	162.2
1959 J	137.4	58.8	129.8	121.9	118.7	128.2	175.0	136.3	407.0	169.9
F	140.0	60.2	138.2	125.2	118.3	133.3	178.6	137.2	428.1	185.5
M	142.9	60.9	148.8	133.3	118.0	146.0	173.1	138.7	374.0	181.1
M	146.2	62.2	159.0	136.5	118.6	150.3	174.6	139.7	378.1	179.9
A	148.0	64.1	160.4	135.4	119.4	147.8	178.9	142.2	379.9	186.6
M	148.2	64.9	153.0	137.5	119.7	149.4	183.2	144.7	387.3	191.1
J	128.7	65.0	148.8	132.3	118.9	141.6	176.0	144.4	349.1	169.9
J	112.3	62.5	147.5	130.8	120.4	138.6	186.5	143.5	455.7	160.0
A	124.5	61.1	145.3	140.0	123.8	150.6	201.6	146.8	490.4	203.3
S	133.2	61.7	140.5	141.5	122.4	152.7	202.9	147.9	508.1	185.5
O	113.7	60.2	135.5	140.8	118.0	153.7	199.9	145.6	482.7	187.7
N	120.2	56.2	131.2	140.7	115.2	156.1	187.4	142.6	408.4	175.5
1960 J	133.6	53.8	134.8	139.1	114.4	155.4	186.5	138.8	406.6	188.8
F	138.0	52.1	144.6	147.3	116.0	168.1	189.4	136.5	432.6	209.9
M	134.8	52.0	155.9	149.8	117.0	171.4	186.3	136.9	403.0	210.0
A	133.6	53.4	161.6	148.2	116.8	169.0	179.9	137.2	358.9	201.1
M	133.3	54.0	156.8	145.9	115.5	165.2	179.2	137.2	375.5	186.6
J	127.4	54.5	150.2	145.5	114.8	172.3	180.3	138.0	382.9	180.0
J	107.1	53.8	147.1	146.5	116.0	166.1	168.9	138.4	304.6	162.2
A	95.5	51.1	140.8	150.2	116.9	170.9	174.1	137.2	381.7	142.2
S	107.3	49.2	135.9	151.3	115.2	172.5	187.0	136.3	469.6	161.1
O	114.8	48.5	133.1	151.0	113.8	171.3	185.5	133.4	466.1	166.6
N	113.8	47.1	130.2	151.2	113.7	171.7	178.4	128.8	439.2	159.9
D	114.0	44.8	127.2	148.7	111.7	169.9	166.5	124.8	363.0	149.9
1961 J	115.0	43.7	125.3	145.3	111.5	165.7	163.9	122.2	359.6	152.2
F	116.4	43.0	133.8	146.9	114.1	168.0	170.2	121.4	426.4	156.6
M	117.8	42.2	138.4	146.2	115.0	166.8	166.7	122.3	361.7	174.7
M	119.5	41.9	132.1	147.3	115.9	167.2	165.2	124.6	321.3	181.1
A	122.5	41.4	124.5	149.5	118.3	171.1	166.6	127.5	339.4	166.6
M	123.3	41.9	154.2	146.9	121.8	165.5	179.8	131.7	392.2	189.9
J	119.7	44.0	153.4	137.3	124.4	149.9	172.7	134.3	356.5	155.5
J	120.2	45.0	152.5	140.6	127.0	153.5	182.4	135.7	428.4	185.5
A	121.8	44.0	157.6	146.9	131.2	160.6	204.0	138.5	532.0	174.7
S	123.9	43.1	158.4	152.8	132.1	168.9	206.7	142.3	549.4	178.8
O	127.3	42.4	157.4	158.2	129.2	177.9	210.1	142.1	551.7	188.8
N	127.7	41.6	154.7	153.0	126.2	171.9	203.4	141.7	528.0	171.7
1962 J	130.4	41.0	155.6	151.0	124.5	170.4	199.5	140.4	493.3	177.7
F	133.7	40.9	167.5	150.8	124.3	170.1	205.5	138.6	540.0	191.9
M	139.4	41.2	180.4	150.1	126.7	167.8	204.8	139.6	526.0	191.9
M	147.7	41.5	186.2	148.0	127.8	164.3	201.0	141.8	473.2	191.9
A	152.3	41.9	191.8	153.0	128.0	171.1	200.5	144.6	454.4	191.9
M	148.8	42.2	198.9	148.7	128.6	163.3	214.4	150.0	508.0	211.7
J	126.5	42.2	195.3	147.4	128.8	160.4	199.8	152.6	417.5	171.7
J	140.4	41.7	193.3	148.8	130.2	162.0	213.1	152.8	518.1	181.7
A	146.6	42.2	196.4	147.4	129.4	159.9	227.5	157.5	555.3	222.2
S	157.3	41.8	197.1	145.9	126.8	157.3	238.4	160.4	674.9	201.0
O	166.1	40.9	193.2	148.8	124.4	162.6	232.5	159.9	620.1	211.1
N	169.5	40.9	187.2	146.8	123.1	161.3	217.2	159.4	508.3	201.0
1963 J	169.9	40.0	190.9	147.4	123.4	163.9	211.8	156.4	477.2	201.0
F	171.1	39.4	197.3	147.1	124.1	163.3	220.6	153.9	551.4	222.2
M	172.8	39.0	203.1	145.6	125.3	160.5	216.2	151.7	513.3	221.1
M	178.6	38.7	212.4	149.7	127.3	165.7	212.6	150.8	481.4	211.1
A	184.8	39.0	215.1	149.8	129.9	164.9	212.9	151.7	473.3	211.1
M	181.0	40.0	208.6	147.2	133.3	159.2	223.9	155.2	521.8	224.4
J	157.5	40.8	199.1	140.1	137.7	146.5	207.4	156.1	428.1	191.9
J	155.1	41.3	187.4	150.3	140.9	161.0	218.1	153.8	538.4	191.9
A	178.0	42.6	187.5	152.3	140.8	163.3	240.6	154.5	652.3	223.3
S	189.3	44.1	192.8	153.8	139.5	165.8	240.7	155.3	678.5	225.5
O	202.0	44.4	189.2	152.6	139.6	163.8	247.3	155.6	887.1	225.5
N	214.0	43.9	182.7	150.2	139.0	160.8	229.5	156.5	559.7	222.2

TABLE 2. Indexes of Industrial Production, Unadjusted for Seasonal Variation, by Months, Dec. 1956 - Dec. 1963 - Concluded

	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products						
	Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas
	Unadjusted for seasonal variation						
D	162.1	216.8	155.3	125.6	227.8	227.4	230.9
J	151.1	154.1	162.2	102.6	234.8	231.5	264.8
F	155.9	198.5	163.8	94.5	237.2	230.3	299.4
M	161.1	236.4	172.3	116.8	226.2	224.6	240.2
A	170.7	278.6	178.5	134.4	221.1	220.4	227.4
M	197.2	411.3	218.8	143.0	211.1	215.8	168.8
J	210.9	438.9	250.4	178.4	201.3	208.6	135.7
J	220.1	455.6	299.3	168.5	200.1	210.4	107.7
A	223.8	483.9	288.4	178.4	197.2	207.8	101.7
S	221.3	466.1	277.9	175.2	205.7	215.8	115.1
O	217.2	461.1	266.6	170.7	223.4	230.9	156.2
N	204.6	421.9	236.4	161.6	241.1	243.4	220.2
D	161.4	276.0	138.8	121.5	244.8	243.8	253.7
J	153.9	245.0	136.3	113.2	255.3	249.4	308.2
F	153.8	215.9	154.1	107.2	261.3	250.7	356.7
M	159.5	271.6	150.8	129.2	247.5	241.4	302.6
A	180.5	371.5	199.3	142.1	238.0	234.2	272.1
M	226.1	612.9	253.1	168.6	227.0	232.0	182.2
J	235.5	631.6	295.9	182.2	219.4	226.6	154.9
J	234.4	640.4	266.4	180.5	212.3	222.0	125.4
A	236.8	622.6	276.6	185.5	211.1	221.8	115.6
S	237.2	607.9	263.7	189.0	221.5	230.6	140.1
O	244.3	621.1	284.5	187.4	238.4	245.4	175.9
N	226.9	526.4	240.5	197.2	258.9	259.1	256.8
D	182.4	323.4	158.4	154.0	278.0	267.2	374.6
J	166.4	258.6	122.8	131.1	284.9	265.5	458.8
F	178.7	312.0	123.3	146.8	290.1	268.9	480.1
M	189.4	409.9	143.5	143.5	273.6	260.0	395.7
A	205.3	450.7	196.9	153.0	269.1	261.4	338.0
M	234.2	584.0	254.9	178.8	253.7	253.4	256.2
J	252.8	670.2	292.3	185.7	247.1	251.7	206.2
J	258.7	706.9	310.0	185.2	232.8	239.7	170.8
A	255.4	674.5	294.4	194.7	235.3	242.6	170.1
S	265.5	732.3	304.0	185.8	254.1	259.0	209.8
O	257.7	705.6	261.0	190.7	273.8	274.6	267.1
N	231.1	548.7	217.7	191.3	301.4	291.4	391.5
D	183.7	357.0	141.3	155.4	308.4	292.1	454.8
J	172.0	299.7	101.4	142.7	320.2	296.6	531.5
F	176.1	310.7	124.3	149.4	327.4	300.1	571.8
M	177.9	364.3	131.9	144.1	320.6	295.9	542.6
A	179.5	363.8	150.7	158.2	300.1	283.2	451.5
M	218.5	558.7	221.4	175.6	284.2	279.1	330.1
J	241.1	655.4	270.4	171.2	277.6	279.1	263.7
J	236.3	656.3	262.6	164.3	257.9	263.3	209.1
A	241.4	660.5	281.1	149.7	267.4	271.2	233.2
S	238.3	660.6	261.7	147.6	281.4	284.4	254.3
O	242.0	649.7	275.7	154.0	289.3	286.9	311.2
N	229.6	599.5	222.6	144.3	317.0	302.6	445.9
D	178.1	364.0	141.5	132.4	332.6	306.4	567.3
J	161.3	289.3	118.8	97.1	343.9	308.2	664.0
F	165.0	380.5	102.5	102.7	348.9	308.0	715.6
M	172.7	414.8	125.1	106.2	329.5	299.1	602.5
A	191.4	471.3	182.6	129.5	320.6	293.1	568.2
M	234.0	666.7	263.7	150.3	309.8	292.6	463.8
J	257.7	743.0	307.2	171.8	295.5	287.7	365.9
J	249.5	690.5	278.8	170.0	273.8	272.7	283.7
A	257.3	741.9	285.9	165.9	281.9	280.6	293.6
S	257.5	735.3	286.1	175.9	298.4	294.3	334.9
O	262.2	729.7	274.1	172.1	315.1	304.4	411.5
N	241.5	618.9	217.0	158.8	339.3	318.0	530.6
D	192.4	407.1	133.7	142.6	356.1	323.0	653.3
J	171.1	270.2	122.1	115.0	378.0	333.0	781.9
F	181.3	329.0	137.3	119.8	383.1	333.1	832.1
M	188.5	427.0	156.1	115.6	363.7	322.5	733.6
A	209.2	523.9	191.7	132.0	342.5	311.5	620.7
M	253.7	742.9	268.7	159.8	331.2	316.0	467.1
J	285.1	839.1	339.4	171.9	311.7	303.0	389.6
J	284.5	849.9	318.8	163.9	286.3	280.8	335.9
A	282.3	899.0	306.1	162.1	301.8	296.1	353.4
S	272.5	793.2	324.5	170.2	308.0	297.5	402.1
O	292.8	976.9	298.0	162.2	324.4	309.6	457.6
N	260.7	763.2	244.5	157.1	357.1	327.0	626.7
D	208.6	446.2	196.1	147.8	364.7	327.6	698.5
J	183.7	351.0	145.9	106.7	399.9	346.7	876.6
F	179.8	350.5	138.1	101.0	406.8	345.4	957.6
M	189.5	431.2	148.5	103.9	380.0	332.4	807.4
A	208.8	521.0	206.3	117.7	363.7	328.5	679.7
M	263.4	786.2	286.2	144.1	351.5	329.1	552.6
J	278.0	784.3	335.4	171.5	332.3	318.6	455.2
J	273.1	760.2	321.9	158.1	314.4	308.0	371.9
A	279.4	787.9	329.2	145.6	321.6	315.5	376.4
S	298.5	954.1	318.4	159.6	337.9	327.4	432.3
O	283.0	815.9	336.0	155.3	360.0	347.0	476.5
N	265.5	749.5	257.6	154.2	406.5	380.2	642.7
D	213.2	535.2	128.6	122.8	434.0	391.8	812.0

¹ See page 3.

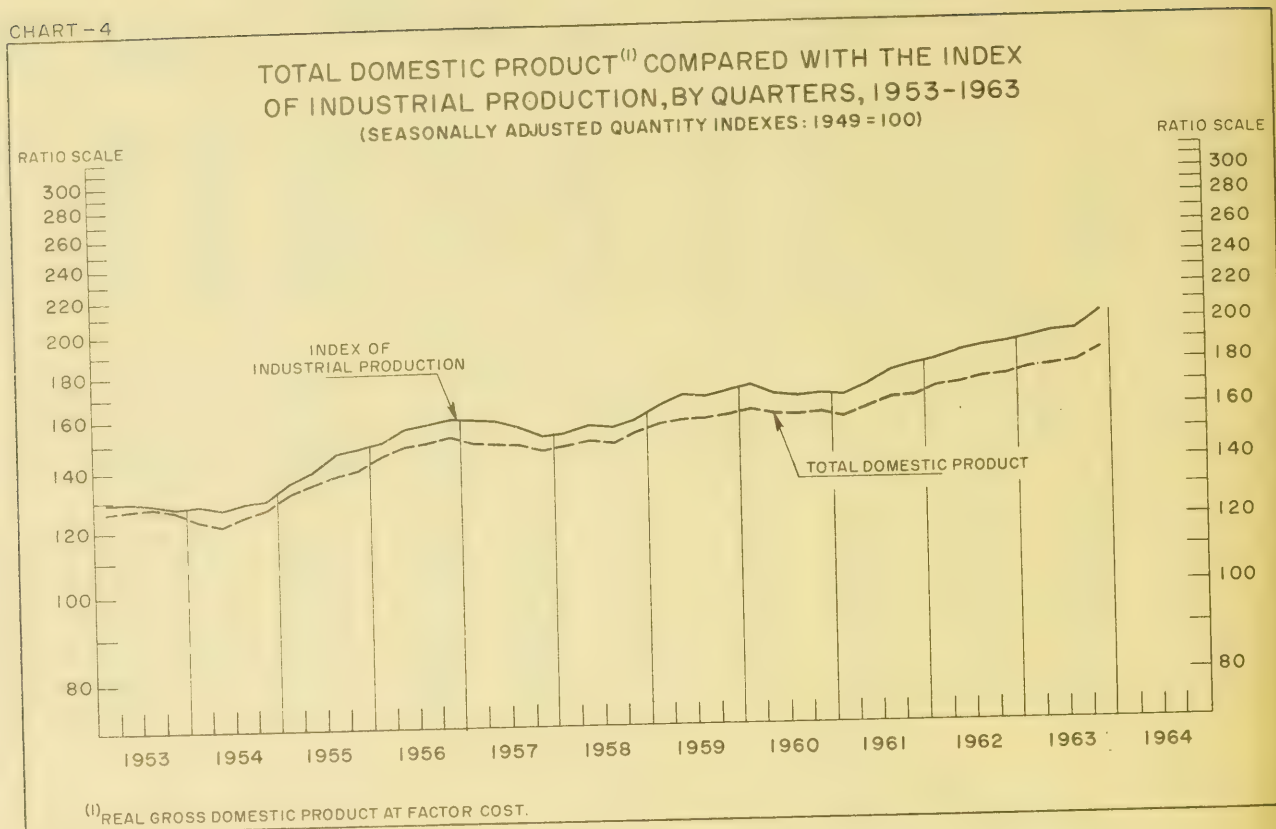
TABLE 3. Annual Indexes of Industrial Production, 1956-63 - Concluded

	Non-durable manufacturing					Durable manufacturing			
	Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
	Total	Petroleum products	Total	Acids alkalies salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods
6	216.1	228.1	174.8	187.8	147.0	153.3	138.3	143.6	247.3
7	223.5	236.8	183.4	197.4	153.3	146.7	127.3	128.4	235.7
8	216.8	232.7	198.0	226.4	166.3	139.9	132.0	135.6	253.1
9	241.5	259.1	208.4	246.9	183.2	149.5	136.6	140.5	252.3
10	250.6	269.8	219.7	260.8	191.6	146.4	136.0	141.2	267.1
11	258.8	279.0	222.1	257.2	213.0	148.4	139.6	146.7	295.4
12	272.8	294.3	233.2	266.0	237.2	165.0	151.5	161.1	329.8
13	296.0	319.7	249.1	302.0	246.6	175.9	159.0	172.1	358.8
Durable manufacturing									
Wood products		Iron and steel products					Transportation equipment		
Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
131.3	140.6	145.3	144.7	155.4	158.3	137.0	157.9	313.1	184.1
114.6	141.0	139.6	146.3	129.4	149.0	126.2	151.2	350.4	162.0
120.1	143.4	128.3	122.6	141.4	121.8	136.8	132.5	331.2	138.6
126.1	146.3	147.2	135.9	157.5	167.7	149.6	131.5	249.4	148.8
132.7	141.3	137.3	135.1	147.8	162.1	143.5	130.0	238.4	159.0
134.1	143.6	139.4	133.4	150.2	174.0	141.0	129.8	269.5	157.3
149.6	152.5	152.1	149.1	135.5	193.0	157.3	156.7	260.0	206.9
162.3	153.0	161.8	160.2	151.1	216.9	156.9	181.4	233.8	257.6
Durable manufacturing									
Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
135.1	89.7	151.7	133.0	119.4	145.9	191.3	157.0	460.3	160.4
121.5	92.3	161.7	127.6	105.5	141.8	183.6	163.4	377.8	152.6
113.5	71.9	144.5	126.7	111.8	138.9	176.2	148.4	413.1	152.8
132.9	61.5	144.8	134.7	119.3	145.7	184.8	142.5	420.7	181.3
121.1	51.2	143.2	148.3	115.2	168.7	180.2	135.3	398.6	176.6
121.3	42.9	145.2	147.6	122.2	165.6	182.6	132.0	428.9	171.3
146.6	41.5	186.9	148.9	126.9	164.2	212.9	149.8	524.1	198.4
179.5	41.1	197.2	148.8	133.4	161.6	223.5	154.3	546.9	221.6
Durable manufacturing						Electric power and gas utilities			
Non-metallic mineral products									
Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas			
191.5	376.5	183.3	160.0	204.9	208.9	169.0			
191.3	356.9	221.1	145.5	220.3	223.6	190.9			
205.9	474.2	223.3	161.3	239.1	240.0	230.4			
223.2	534.2	221.8	170.2	268.7	263.3	316.6			
210.9	511.9	203.8	152.8	298.0	287.4	392.7			
220.2	574.1	214.6	146.2	317.7	298.5	490.6			
240.9	655.0	241.9	148.1	337.7	313.1	558.3			
243.0	652.3	246.0	136.7	367.4	339.2	620.1			

PART II

Indexes of Real Domestic Product

CHART - 4



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the *Index of Industrial Production* to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of

"indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

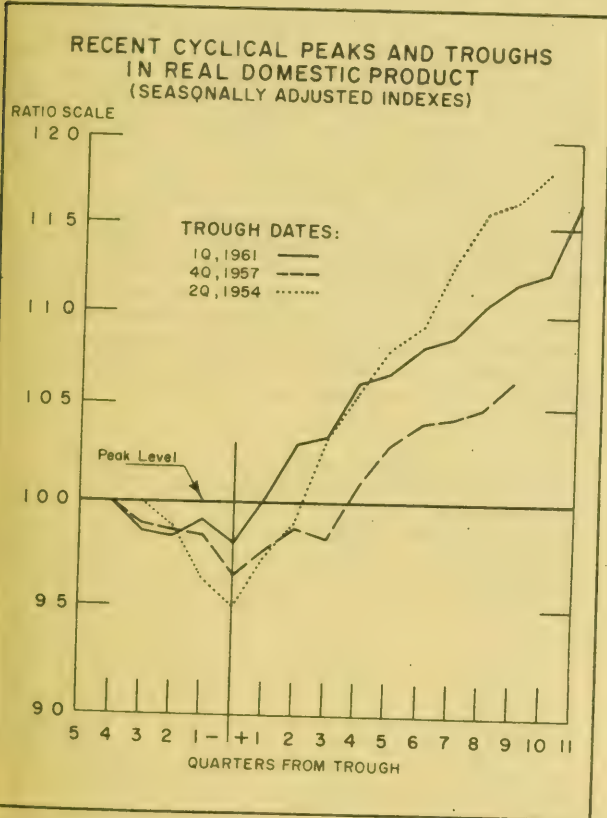
The real output indexes in Table 4 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, *Indexes of Real Domestic Product by Industry of Origin, 1935-61*. This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

Commencing with the April 1964 issue and once every quarter thereafter, the DBS monthly publication 61-005, *Index of Industrial Production*, will contain quarterly indexes of real domestic product less agriculture with corresponding component industry detail. Indexes for agriculture and for aggregate domestic production can only be made available on a once-a-year basis and will appear in the Annual Supplement to 61-005 each spring.

INDUSTRY REAL OUTPUT TRENDS

During 1963, total real domestic product increased by 5 per cent. The larger than average gain achieved during the fourth quarter of 1963 (3½ per cent), brought this industry production aggregate to a level almost 19 per cent above its first quarter, 1961, trough, and 16 per cent above the first quarter, 1960, peak. During the ten quarters of the 1954-56 expansion, real output increased by 24 per cent from trough to peak, while the increase measured from the previous peak was 18 per cent. Thus the current upswing, although of longer duration (11 quarters), has not so far matched the total gains of the 1954-56 expansion. However, it has well surpassed the 10 per cent gain achieved during the 1958-60 upswing, both in strength and duration.

CHART-5



The slowdown in the rate of growth of real domestic product between 1957 and 1961 appears to have been reversed during the last two years. The same trends are evident in per capita real output. This measure in 1962 surpassed its 1956 post-war peak for the first time, and the upward movement was continued in 1963. The pattern of decelerated growth during 1957-61 and the renewed expansion since 1961, is so widespread as to apply to most industry groups. For example, it is evident in the radically fluctuating agriculture, forestry and fisheries group, as well as among the cyclically sensitive manufacturing, trade and transportation industries. The industries not affected were those with a long-term pattern of fairly steady growth, such as finance, insurance and real estate.

One other development in 1963 affected a large number of industries. This was the flattening or decline in output during the third quarter, which was particularly evident among the goods-producing industries. Among the service-producing industries, wholesale trade and railway transport showed the greatest declines. Within goods, the 5 per cent drop in metal mining was most notable. A one and a half per cent decline occurred in the iron and steel products component of durable manufacturing, while construction was lower by 2½ per cent. Agriculture and some components of non-durable manufacturing also declined. There does not appear to be any single factor responsible for these declines, or even any easily identifiable combination of factors. It is interesting to note, however, that similar declines, over a wide range of industries, also occurred in several countries abroad.

Total real output in 1963 was 5 per cent above its 1962 level. This gain was slightly less than that recorded during the preceding year, but it should be remembered that the 1962 increase, at least in part, represented a recovery from the 1960-61 contraction in output. The increases in both years were above the post-war average rate of growth in total output of 4.2 per cent. There were some special factors, however, which affected the current upturn. In May, 1962, the Canadian dollar was stabilized at 92½ cents in terms of United States' currency. Subsequent government action was aimed at relieving pressure on the Canadian dollar, stabilizing Canada's international transactions, and strengthening the exchange reserves. As a result, exports of Canadian goods and services tended to increase, while the portion of domestic demand being met from foreign sources was lowered. These factors affected a large number of industries in Canada during 1962 and 1963. During the two preceding expansions, a relatively greater share of domestic demand had been met from imports.

In addition, several specific areas of production, notably durable manufacturing and agriculture, were subject to rather exceptional influences during the past two years. In agriculture, the 1962 and 1963 wheat crops, as opposed to the rather poor 1961 crop, were particularly good, exceeding the 10 year average (valued in 1949 dollars) by 11 and 37 per cent respectively. In fact, the 1963 crop fell just short of the post-war high reached in 1952. The large export sales of grain during the latter part of 1963 also stimulated related activities, such as transportation and storage, the latter as a result of increased handling operations at grain elevators. These two industries, therefore, showed particularly strong gains during the fourth quarter of 1963. Another notable feature of this expansion was the increasingly high output of the motor vehicles industry, which, along with fairly high levels of production in the iron and steel industry, constituted the main source of the growth in durables output. Finally, the expansion in construction late in 1963 might be noted, when the federal government's programme for the stimulation of winter house-building came into effect. This was accompanied by increases in the output of some construction material industries, such as wood products and concrete products.

Manufacturing production, which constitutes approximately 27 per cent of real domestic product, increased faster during the current expansion than

total real output. It accounted for about 30 per cent of the gain in total output over the 1961-63 period, with a major part of the increase coming from the durables component. This is consistent with developments during other post-war expansions, as durable manufacturing, throughout this time, was the industry group with the most distinct cyclical pattern, and the fluctuations in total manufacturing coincided fairly closely with changes in durables output.

Durable manufacturing has expanded substantially since the first quarter of 1961, surpassing in total gain, if not in rapidity of growth, the 1954-56 upturn. During the second quarter of 1962, durables output for the first time surpassed its fourth quarter, 1956 peak: up to that time production had moved at a lower level, the 1958-60 cycle being entirely below it. During the last three quarters of 1962, a good rate of increase in durable output was maintained, almost in line with the average increases during the 1954-56 expansion. Some hesitancy was apparent at various times during 1963, but the 6 per cent gain in the fourth quarter was the largest since that achieved in the first quarter of 1955.

Iron and steel products, which constitute about one-third of durable manufacturing, showed strong increases over the current expansion as a whole, with declines occurring only twice—in the fourth quarter of 1961 and the third quarter of 1963. There was a period of fairly small gains, however, during the first half of 1963 and extending back into the last quarter of 1962, which exercised a dampening influence on total durable output at that time. A slowdown in the rate of increase during the first three quarters of 1963 was also observable in the output of wood products and to a lesser extent in the transportation equipment industry. However, the fourth quarter was particularly high in all these industries, with increases ranging from 5 to 14 per cent.

The most remarkable feature of the current expansion in the area of durable manufacturing was the considerable growth in the output of the motor vehicle industry beginning in the second quarter of 1961. The only decline in motor vehicle production during this period occurred in the first quarter of 1962. This coincided with a strike in the industry. For the remainder of the year, output increased as rapidly as before the decline, surpassing, during the third quarter, the previous post-war high attained in the third quarter of 1955. There was a slight deceleration in the rate of increase in motor vehicle output during the early part of 1963. The 17 per cent gain in the fourth quarter, however, was the largest during the current expansion, although larger increases have been recorded during previous upswings. What was unusual in this case was the sweep and duration of this almost uninterrupted expansion in the output of the motor vehicle industry.

Non-durable manufacturing increased fairly steadily and rapidly since early 1961, with some levelling off during the last part of 1962 and in the third quarter of 1963. On the whole, the total gains of the current expansion approximate closely those achieved during the 1954-56 period.

Manufacturing has in the past shown some movements in output similar in broad outline to those in construction. Following the sharp rise dur-

ing the 1954-57 period, a lack of sustained growth was evident in construction activity, culminating in a decline from 1958 to 1961. This paralleled a period of relatively slow growth in manufacturing between 1957 and 1961. Early in the current expansion construction activity rallied quite sharply, but subsequently it did not show any significant gains until the fourth quarter of 1963, when it almost attained its 1958 peak levels. (This was the sharpest gain since early 1956.) However, there was little evidence in construction of the upward trend characteristic of the manufacturing industries during the past two years.

Trade, which was virtually level during 1959 and 1960 increased fairly steadily through the latter part of 1961 and early 1962. The subsequent period was again one of slower growth, but the large increase in the fourth quarter of 1963 brought this industry group to a level 14½ per cent above the first quarter, 1961, low point. This was the largest increase in trade since 1958, and it occurred both at the wholesale and retail levels. Wholesale trade, as in earlier expansions, followed a pattern quite similar to that of durable manufacturing, while retail trade, like non-durables, expanded more steadily, but at a slower pace. In 1963, however, both retail and wholesale trade were about 4 per cent above their 1962 levels, which is an increase almost in line with the long term average growth rate for total trade. The main strength in retail trade during the past year came from the considerable increases in its farm implement dealer, garages and filling station, and motor vehicle dealer components. The last-mentioned trade showed particularly large gains during the final quarter of the year, accounting, at that time, for more than half of the total increase in retail trade.

Transportation advanced more rapidly than trade during the current expansion, rising, after a fairly shallow downturn, to a level 21 per cent above its first quarter, 1961 level. Most of the component industries expanded during 1962 and 1963. Railway transport increased by 7 per cent during 1963 (with the largest gains concentrated in the final quarter, when the 1956 peak was surpassed for the first time), and accounted for about two-fifths of the total gain in transportation. Railways have shown a renewed upward trend in output since 1961 and, along with shipping, were particularly strongly affected by the movements of grain for export during the latter part of 1963. Shipping, pipelines and air transport showed increases ranging from 6 to 15 per cent during 1963. Air transport also appears to have made larger than average gains throughout the year.

With the exception of public administration and defence, which has advanced but little during the past two years, most other industry groups increased their output roughly in line with past trends. Electric power and gas utilities, which has been among the fastest growing industry groups, increased, in 1963, by 9 per cent over its 1962 level. Again, as in so many instances, the largest quarterly gain, 5½ per cent, occurred during the fourth quarter. The community, recreation, business and personal service industry group increased steadily, exceeding during 1963, its average rate of gain of 3.6 per cent. Finance, insurance and real estate continued roughly on trend to the end of 1962 but advanced at rate above the long-term average throughout 1963.

CHART-6

COMPARISON OF MANUFACTURING WITH DOMESTIC PRODUCT LESS AGRICULTURE,
BY QUARTERS, 1953-1963
(SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

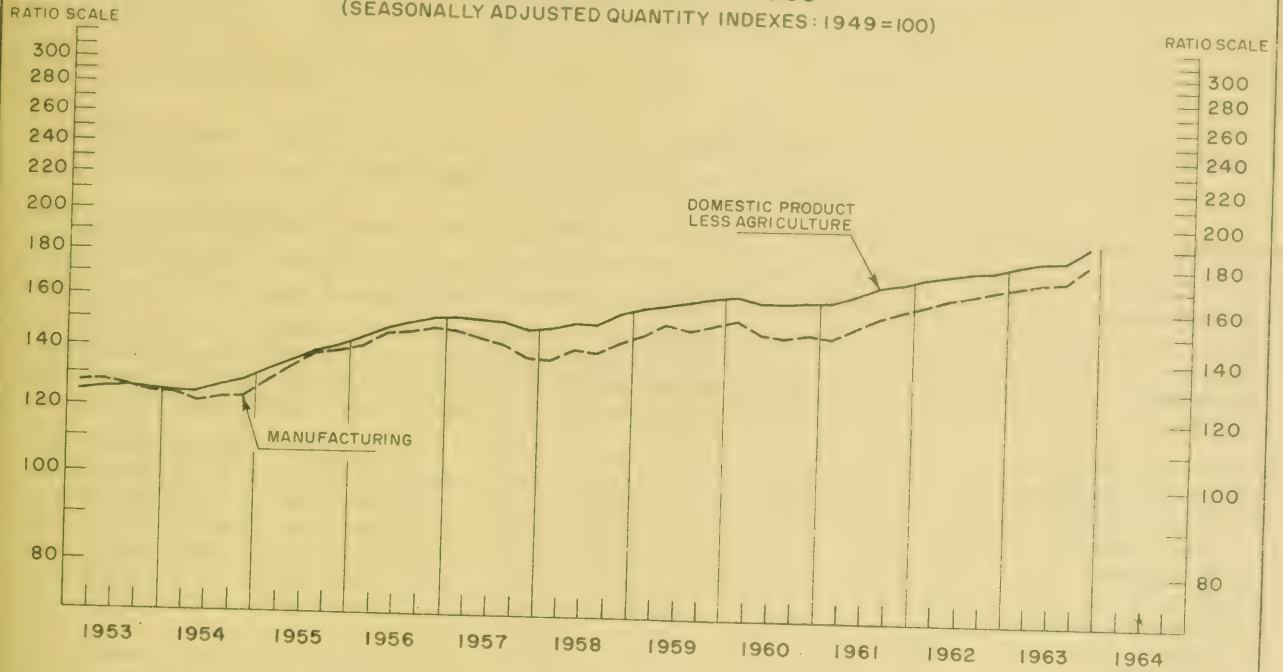


CHART-7

TRANSPORTATION, TRADE AND CONSTRUCTION COMPARED WITH MANUFACTURING,
BY QUARTERS, 1953-1963
(SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

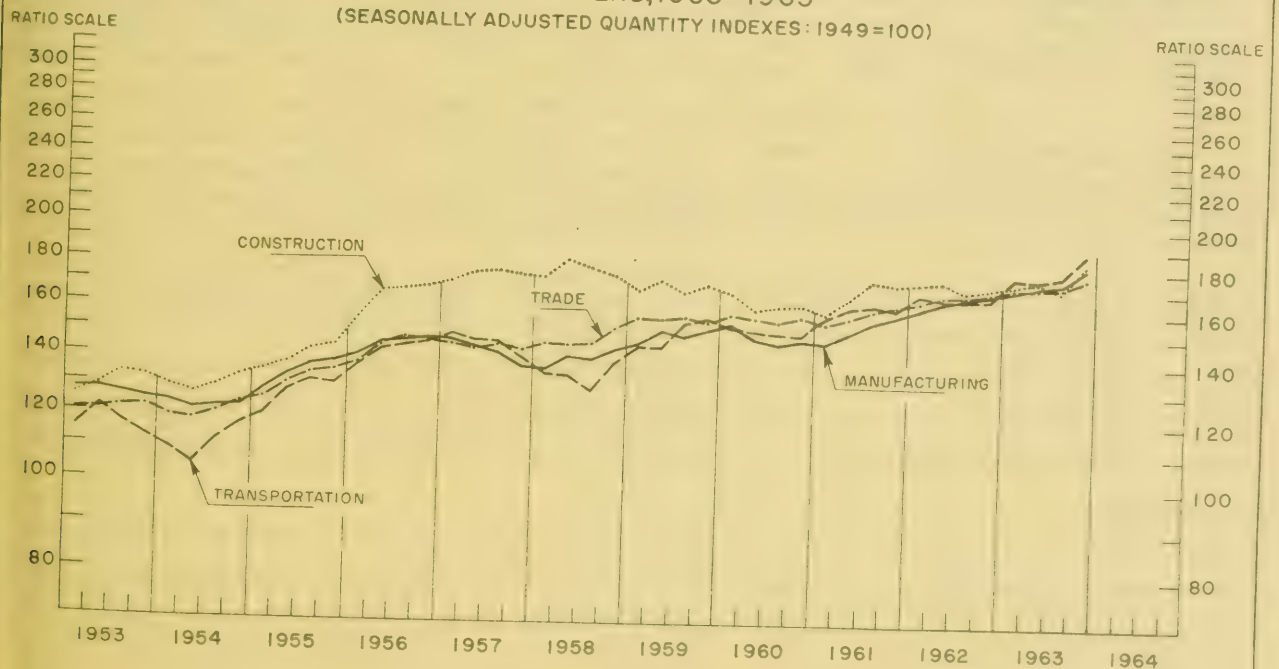


TABLE 4. Indexes of Real Domestic Product, by Quarters, 1961
1949 = 100

	1949 weights	Adjusted for seasonal variation				Without seasonal adjustment				
		I	II	III	IV	I	II	III	IV	Year
Gross Domestic Product	100.000	156.7	160.3	164.3	165.0	141.9	160.3	178.7	164.7	161.4
Agriculture	10.714	110.4	118.5	123.8	116.6	67.7	99.4	215.8	81.0	116.0
Gross Domestic Product less agriculture	89.286	162.2	165.3	169.2	170.8	150.8	167.6	174.3	174.7	166.4
Forestry	2.108	128.9	130.4	134.7	130.4	104.5	120.5	154.3	143.8	130.0
Fishing and trapping	0.540	141.9	109.0	109.5	120.2	77.2	112.9	155.5	117.1	115.0
Mining ¹	3.245	250.9	262.6	271.9	279.6	246.0	260.3	281.8	279.7	266.0
Metals	1.925	195.4	185.2	191.7	195.2	181.1	186.3	204.9	194.4	191.0
Non-metals	0.268	210.2	208.4	210.3	214.0	194.5	212.3	212.5	227.6	211.0
Fuels	0.915	369.2	431.8	447.4	465.9	408.0	416.0	436.1	462.8	430.0
Manufacturing ¹	27.340	147.7	150.8	155.4	158.8	143.3	153.9	155.1	159.7	153.0
Non-durable manufacturing	14.742	153.3	155.9	158.6	161.2	146.8	156.7	161.0	163.4	157.0
Foods and beverages	3.814	153.4	152.4	155.3	156.3	128.4	152.0	173.2	163.1	154.0
Tobacco and tobacco products	0.248	189.2	194.5	195.2	198.7	185.8	207.4	183.6	197.6	193.0
Rubber products	0.430	128.7	143.9	152.7	159.1	131.9	149.3	137.9	163.7	145.0
Leather products	0.508	118.3	123.9	125.0	128.6	126.4	125.5	116.6	126.5	123.0
Textiles	1.623	126.6	132.2	136.6	142.4	131.1	135.3	127.4	144.5	134.0
Clothing	1.801	107.9	106.7	107.9	112.0	111.7	102.3	107.8	106.4	107.0
Paper products	2.649	149.6	152.7	155.1	156.1	145.9	155.0	154.8	157.8	153.0
Printing, publishing and allied industries	1.273	147.0	145.5	148.5	152.4	146.2	147.0	144.5	155.0	148.0
Products of petroleum and coal	0.513	246.5	266.7	259.0	262.2	248.9	256.4	265.5	264.5	258.0
Chemicals and allied products	1.359	219.2	222.9	224.4	222.7	214.7	229.3	223.2	221.1	222.0
Miscellaneous manufacturing	0.524	199.7	206.1	216.8	228.1	194.0	202.2	218.8	237.0	213.0
Durable manufacturing	12.598	141.3	144.7	151.8	156.1	139.2	150.8	148.3	155.4	148.0
Wood products	2.108	134.4	136.8	142.7	146.4	132.7	139.7	151.4	134.8	139.0
Iron and steel products	4.026	132.6	137.3	144.9	141.4	130.1	141.5	145.7	140.4	139.0
Transportation equipment	2.651	120.3	121.4	136.6	143.3	131.1	141.9	101.3	144.7	129.0
Non-ferrous metal products	1.601	148.0	147.7	142.5	152.8	146.1	147.9	141.6	154.7	147.0
Electrical apparatus and supplies	1.418	169.3	175.0	185.8	199.0	166.9	170.5	186.4	206.7	182.0
Non-metallic mineral products	0.794	210.2	221.0	220.2	228.5	166.3	227.7	254.8	232.0	220.0
Construction	6.379	158.5	165.5	173.2	171.7	98.3	169.1	221.0	185.3	168.0
Electric power and gas utilities ¹	1.646	304.1	319.4	327.8	325.9	340.8	308.6	284.7	336.8	311.0
Transportation, storage and communication	8.363	168.2	173.0	174.1	173.8	150.7	176.7	185.1	175.7	171.0
Transportation	6.528	156.0	161.0	162.4	160.6	134.7	166.1	177.3	160.7	158.0
Storage	0.230	222.0	233.8	215.5	207.9	179.8	254.1	229.8	217.7	220.0
Trade	14.562	154.9	156.8	160.1	161.1	139.2	162.9	156.4	174.4	151.0
Wholesale	4.995	154.8	161.3	167.7	168.5	150.2	171.7	161.8	167.1	161.0
Retail	9.567	155.0	154.5	156.2	157.3	133.4	158.3	153.6	178.2	151.0
Finance, insurance and real estate	9.127	173.1	174.5	176.3	178.0	170.2	175.5	179.5	176.9	171.0
Public administration and defence	4.666	182.5	182.6	184.7	185.9	177.3	182.5	190.8	185.0	180.0
Community, recreation, business and personal service	10.202	149.0	150.8	153.8	154.9	145.0	151.4	157.4	154.9	151.0
Special Industry Indexes:										
Commercial industries	91.729	154.8	158.7	162.8	163.5	139.0	158.6	178.2	163.1	151.0
Commercial industries less agriculture	81.015	160.7	164.0	168.0	169.7	148.5	166.4	173.2	174.0	161.0
Non-commercial industries	8.271	176.9	178.5	181.0	182.5	173.7	178.6	184.6	181.9	171.0
Index of Industrial Production ¹	32.231	166.1	170.6	176.0	179.5	163.7	172.6	174.5	180.8	171.0

¹ Quarterly averages of the monthly indexes shown in Tables 1 and 2 of this report.

TABLE 4. Indexes of Real Domestic Product, by Quarters, 1962 - Continued
1949 = 100

	1949 Weights	Adjusted for seasonal variation				Without seasonal adjustment				
		I	II	III	IV	I	II	III	IV	Year
Domestic Product	100.000	169.5	170.6	172.8	173.7	152.2	169.4	194.4	169.8	171.4
Agriculture	10.714	135.7	129.8	139.6	137.7	72.3	97.9	299.9	58.8	134.7
Less Domestic Product less agriculture	89.286	173.5	175.5	176.3	178.0	161.7	177.9	181.8	181.9	175.8
Forestry	2.108	146.9	141.7	140.4	143.6	117.2	126.4	163.8	154.5	140.5
Fishing and trapping	0.540	144.1	123.6	131.4	130.0	74.9	127.8	189.6	129.4	130.4
Mining ¹	3.245	280.4	287.7	291.1	290.6	277.5	283.7	300.8	287.6	287.4
Metals	1.925	194.2	205.3	199.5	192.0	180.5	204.9	214.2	191.3	197.7
Non-metals	0.268	221.8	224.1	227.4	213.7	210.4	228.7	227.5	223.6	222.5
Fuels	0.915	471.8	453.0	488.3	505.0	515.4	444.3	472.1	491.4	480.8
Manufacturing ¹	27.340	160.5	164.1	166.5	168.5	155.7	168.0	166.0	169.7	164.9
Non-durable manufacturing	14.742	162.8	165.3	165.4	165.9	156.6	166.1	167.8	168.7	164.8
Foods and beverages	3.814	159.3	162.1	157.5	158.3	134.3	160.9	176.0	164.6	158.9
Tobacco and tobacco products	0.248	205.1	201.2	203.3	206.2	202.3	215.2	191.8	205.6	203.7
Rubber products	0.430	154.0	167.7	169.9	176.7	157.5	173.0	156.6	182.4	167.6
Leather products	0.508	123.6	126.2	126.4	125.4	137.2	128.6	117.3	123.7	126.7
Textiles	1.623	142.3	145.1	150.5	150.6	147.7	148.6	136.4	153.5	146.6
Clothing	1.801	106.2	111.6	112.9	114.0	111.3	106.9	112.9	113.0	111.0
Paper products	2.649	157.7	158.1	161.0	159.6	153.5	160.5	161.3	161.1	159.1
Printing, publishing and allied industries	1.273	152.1	155.0	154.5	152.9	151.4	156.4	150.0	158.1	154.0
Products of petroleum and coal	0.513	269.7	263.8	267.2	287.7	273.1	253.9	275.3	288.6	272.8
Chemicals and allied products	1.359	232.7	237.3	232.7	228.2	229.0	245.4	233.3	225.3	233.2
Miscellaneous manufacturing	0.524	231.8	234.3	240.9	241.2	224.8	228.9	242.3	252.7	237.2
Durable manufacturing	12.598	157.7	162.7	167.8	171.5	154.8	170.2	164.0	170.9	165.0
Wood products	2.108	148.5	149.4	153.3	157.9	146.8	152.0	162.7	144.6	151.5
Iron and steel products	4.026	144.3	149.5	156.8	157.7	139.1	154.8	158.5	155.8	152.1
Transportation equipment	2.651	141.5	151.0	160.7	169.9	153.9	178.0	121.9	172.9	155.7
Non-ferrous metal products	1.601	151.3	150.2	149.1	144.9	150.6	149.9	147.9	147.2	148.9
Electrical apparatus and supplies	1.418	206.6	211.2	213.1	221.3	203.3	205.3	213.5	229.4	212.9
Non-metallic mineral products	0.794	227.4	242.7	242.6	248.2	180.3	249.3	279.8	254.0	240.9
Construction	6.379	172.1	173.8	169.8	170.4	109.0	175.8	215.5	183.5	171.0
Electric power and gas utilities ¹	1.645	335.7	337.7	343.4	339.0	374.9	328.5	298.7	348.7	337.7
Transportation, storage and communication	8.363	179.8	177.2	179.8	181.5	161.8	181.4	190.4	183.1	179.2
Transportation	6.528	167.8	165.4	167.3	166.8	145.4	171.5	182.0	166.5	166.4
Storage	0.230	202.8	161.0	180.1	231.8	164.5	173.1	192.0	241.8	192.9
Trade	14.562	164.2	166.7	166.7	168.4	148.4	173.6	163.0	182.3	166.8
Wholesale	4.995	171.3	175.7	176.8	175.5	167.0	187.3	170.7	174.5	174.9
Retail	9.567	160.4	182.0	161.5	164.7	138.7	166.5	158.9	186.4	162.6
Finance, insurance and real estate	9.127	179.7	182.8	183.3	185.5	176.7	183.8	186.7	184.4	182.9
Municipal administration and defence	4.666	186.7	189.9	189.3	185.7	181.5	189.8	195.5	184.9	187.9
Community, recreation, business and personal service	10.202	156.0	156.8	159.3	160.5	151.8	157.4	163.2	160.6	158.2
Industrial Indexes:										
Commercial industries	91.729	168.2	169.2	171.4	172.5	149.5	167.7	194.7	168.3	170.1
Commercial industries less agriculture	81.015	172.4	174.4	175.7	177.1	159.7	177.0	180.8	181.5	174.8
Non-commercial industries	8.271	184.2	186.9	187.8	186.9	181.0	187.0	191.5	186.4	186.5
Index of Industrial Production ¹	32.231	181.5	185.5	188.1	189.5	179.2	187.3	186.4	190.7	186.0

Quarterly averages of the monthly indexes shown in Tables 1 and 2 of this report.

TABLE 4. Indexes of Real Domestic Product, by Quarters, 1963 - Concluded
1949 = 100

	1949 Weights	Adjusted for seasonal variation				Without seasonal adjustment				
		I	II	III	IV	I	II	III	IV	Year
Gross Domestic Product	100,000	176.7	178.6	179.3	185.7	158.3	175.4	204.4	182.5	180.2
Agriculture	10,714	141.6	147.5	145.5	150.3	67.3	96.4	340.5	86.0	147.6
Gross Domestic Product less agriculture	89,286	180.9	182.4	183.3	190.0	169.2	184.9	188.0	194.1	184.1
Forestry	2,108	148.8	137.8	149.4	161.4	123.7	129.1	175.8	169.0	149.4
Fishing and trapping	0,540	122.4	134.6	130.0	121.1	78.0	136.9	168.4	117.5	125.1
Mining ¹	3,245	290.3	293.0	290.6	306.6	283.6	290.9	298.0	304.9	294.1
Metals	1,925	194.6	198.2	188.2	199.3	175.6	202.4	199.9	197.4	193.1
Non-metals	0,268	215.4	219.8	233.1	240.5	204.7	224.5	232.3	250.9	228.1
Fuels	0,915	503.7	502.3	512.0	539.2	547.3	479.5	493.8	533.8	513.1
Manufacturing ¹	27,340	170.3	172.6	173.1	180.4	164.6	176.4	172.3	182.4	173.1
Non-durable manufacturing	14,742	168.8	171.7	172.5	177.1	161.6	171.8	175.4	180.2	172.1
Foods and beverages	3,814	164.0	161.6	161.2	165.5	138.0	161.5	177.1	172.0	162.1
Tobacco and tobacco products	0,248	213.6	211.8	202.9	203.9	213.1	224.4	188.8	204.3	207.1
Rubber products	0,430	190.8	189.8	185.2	195.4	192.5	200.7	168.6	200.2	190.1
Leather products	0,508	127.2	125.8	124.1	129.7	136.5	127.5	116.2	127.7	127.1
Textiles	1,623	151.4	157.0	161.2	167.9	156.6	161.7	148.3	171.5	159.1
Clothing ²	1,801	134.8	136.9	135.5	141.8	135.4	124.3	145.2	143.2	137.1
Paper products	2,649	157.4	162.7	165.7	169.8	153.4	164.3	167.0	172.4	164.1
Printing, publishing and allied industries	1,273	152.9	157.1	158.4	157.7	151.6	158.7	153.8	162.7	156.1
Products of petroleum and coal	0,513	289.7	293.5	301.2	306.4	291.2	276.8	309.3	306.7	296.1
Chemicals and allied products	1,359	238.1	249.9	250.8	259.1	234.2	259.3	250.4	252.7	249.1
Miscellaneous manufacturing	0,524	241.9	249.0	249.1	246.5	234.2	241.6	251.2	259.4	246.1
Durable manufacturing	12,598	172.1	173.6	173.7	184.2	168.2	181.7	168.6	184.9	175.1
Wood products	2,108	157.4	157.1	157.1	165.0	156.0	159.5	167.6	153.1	159.1
Iron and steel products	4,026	160.1	160.6	158.2	168.2	153.5	166.6	161.7	165.2	161.1
Transportation equipment	2,651	172.6	173.6	177.4	202.0	182.6	203.1	129.6	210.3	181.1
Non-ferrous metal products	1,601	146.4	150.3	149.7	149.8	146.7	148.9	147.6	152.2	148.1
Electrical apparatus and supplies	1,418	220.0	223.4	222.1	228.6	216.2	216.5	222.0	239.2	223.1
Non-metallic mineral products	0,794	236.7	242.0	246.5	247.5	184.3	250.1	283.7	253.9	243.1
Construction	6,379	172.0	174.4	169.8	180.6	109.5	176.7	214.2	194.1	173.1
Electric power and gas utilities ¹	1,646	352.1	359.2	369.8	390.2	395.6	349.2	324.6	400.2	367.1
Transportation, storage and communication	8,363	188.3	187.8	190.5	201.0	170.6	192.4	203.2	201.8	191.1
Transportation	6,528	175.7	174.1	176.2	188.8	153.6	180.9	193.8	186.8	171.1
Storage	0,230	217.2	202.8	230.7	253.6	181.4	212.6	240.8	273.4	227.1
Trade	14,562	171.1	171.5	171.5	177.3	156.4	177.9	165.9	192.4	177.1
Wholesale	4,995	182.0	180.6	177.9	185.0	181.0	190.4	168.5	186.4	181.1
Retail	9,567	165.4	166.7	168.2	173.3	143.6	171.4	164.5	195.6	166.1
Finance, insurance and real estate	9,127	190.1	192.9	195.9	198.9	186.5	194.4	199.3	197.7	191.1
Public administration and defence	4,666	186.6	187.7	189.2	189.2	181.0	188.0	196.0	187.5	181.1
Community, recreation, business and personal service	10,202	162.7	164.4	165.6	167.1	158.3	164.4	170.0	167.1	161.1
Special Industry Indexes:										
Commercial industries	91,729	175.7	177.7	178.2	185.1	156.1	174.3	205.3	181.9	177.1
Commercial industries less agriculture	81,015	180.2	181.7	182.6	189.7	167.8	184.5	187.4	194.6	181.1
Non-commercial industries	8,271	187.5	189.4	191.2	192.3	182.8	188.3	193.9	189.7	181.1
Index of Industrial Production ¹	32,231	191.7	194.2	195.0	203.8	188.4	196.7	192.7	205.8	191.1

¹ Quarterly averages of the monthly indexes shown in Tables 1 and 2 of this report.

² See page 3.

CHART-8

RETAIL TRADE COMPARED WITH WHOLESALE TRADE, BY QUARTERS, 1953-1963 (SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)

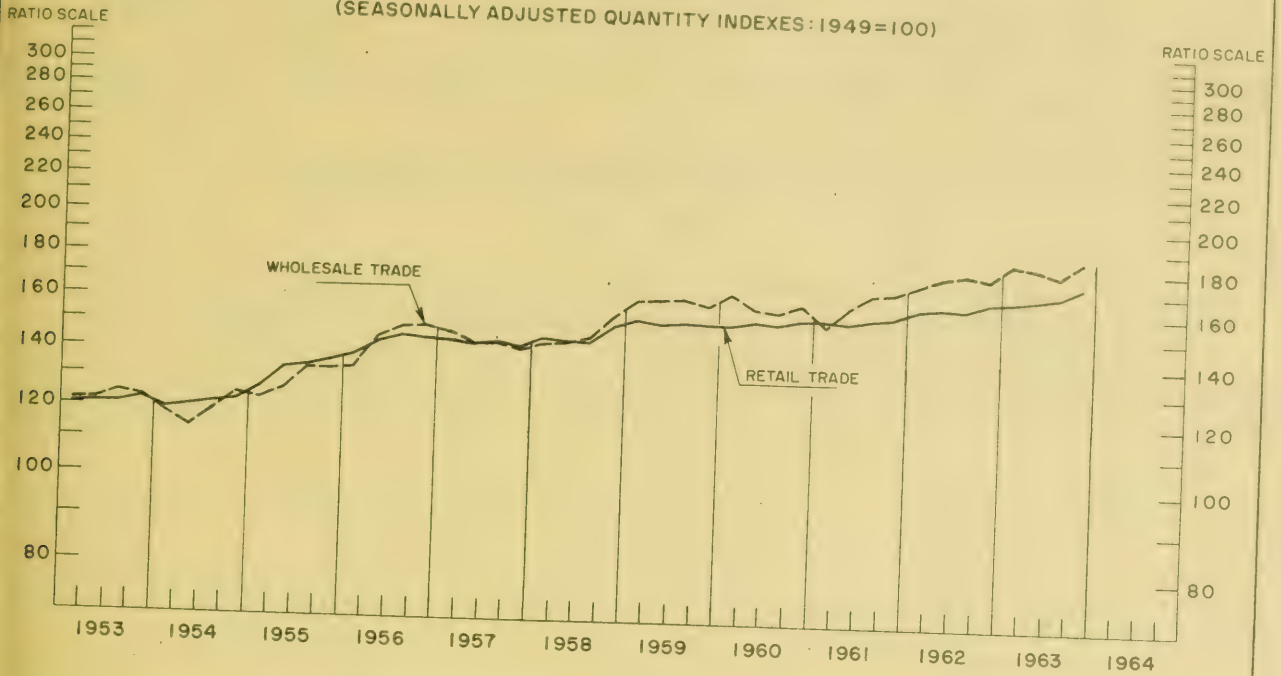
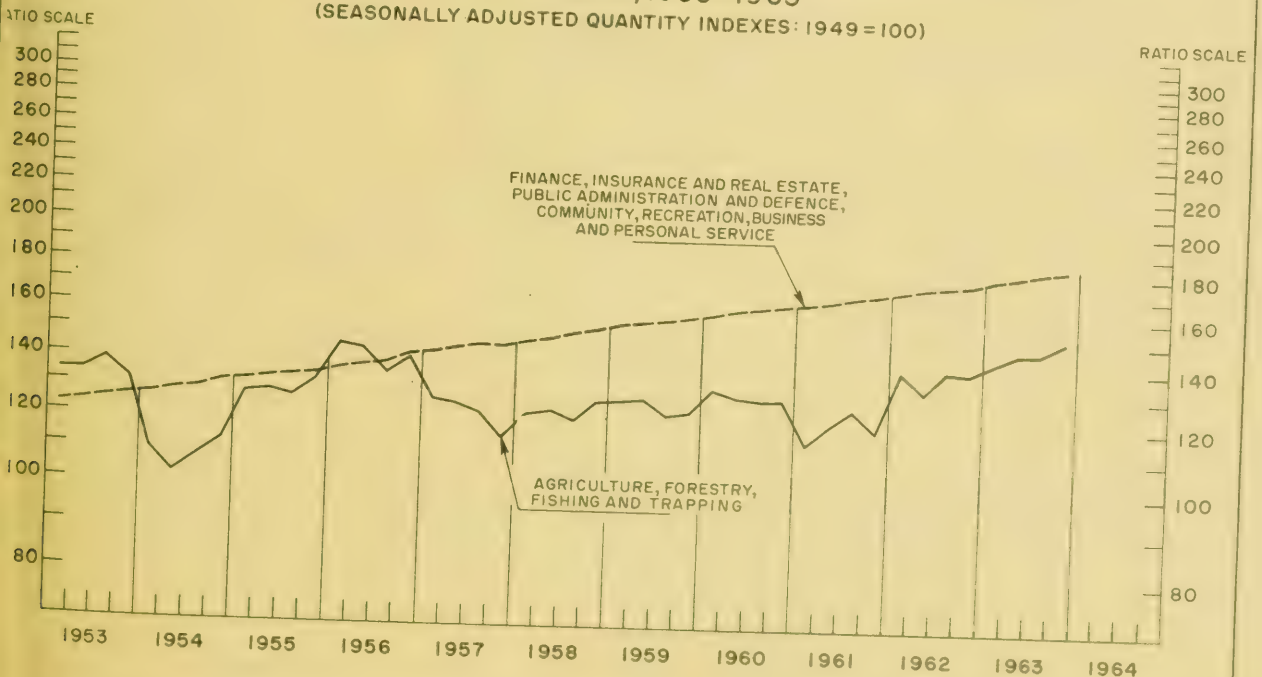


CHART-9

COMPARISON OF SELECTED PRIMARY AND SERVICE INDUSTRY GROUPS, BY QUARTERS, 1953-1963 (SEASONALLY ADJUSTED QUANTITY INDEXES: 1949=100)



CATALOGUE No.

61-005

MONTHLY

(DOMINION BUREAU OF STATISTICS)

(OTTAWA - CANADA)

(Published by Authority of the Minister of Trade and Commerce)

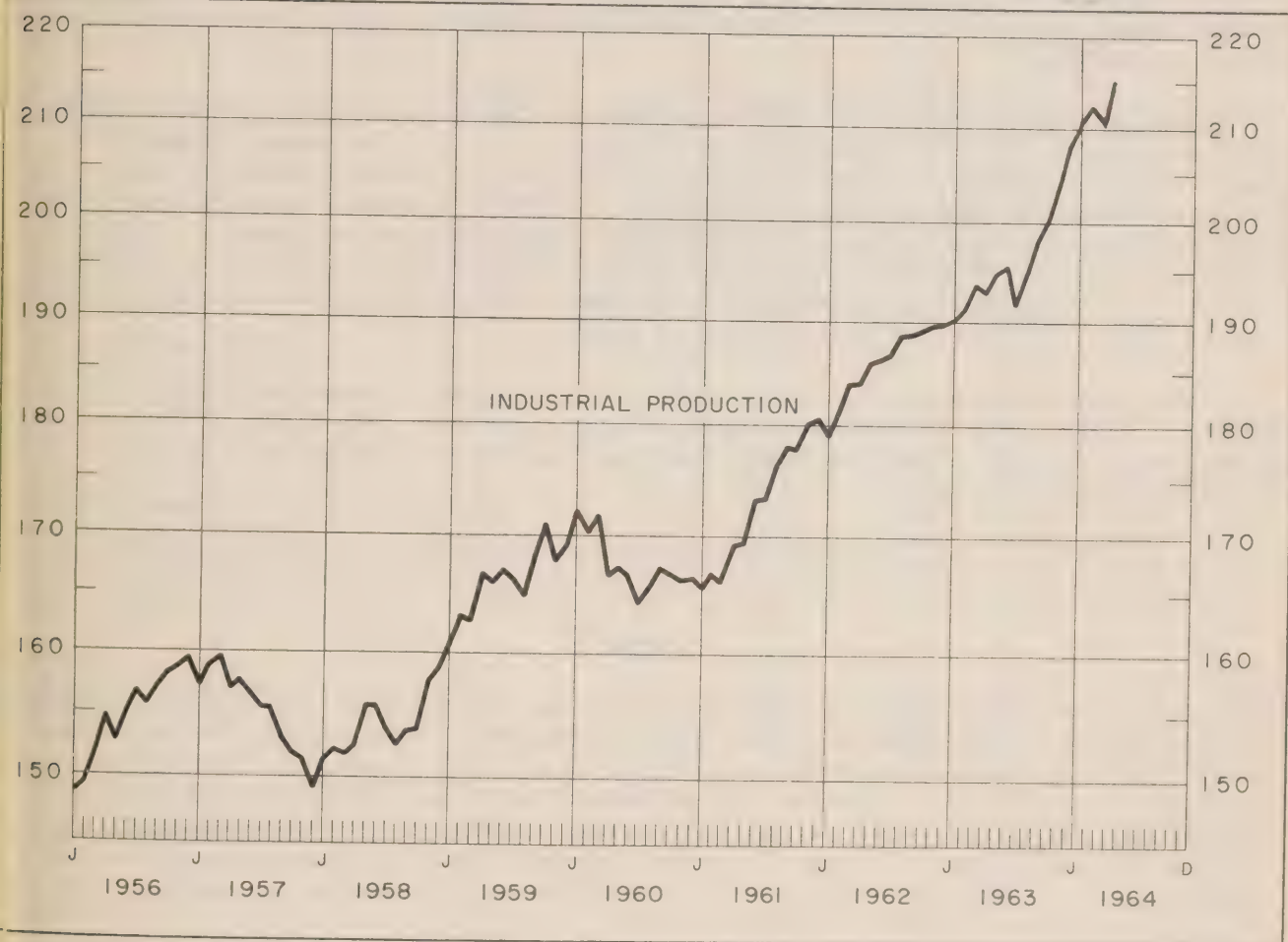
Vol. 4, No. 4

Price: 20 cents, \$2.00 a year

INDEX OF INDUSTRIAL PRODUCTION (1949=100)

APRIL 1964

The seasonally adjusted index of industrial production advanced by 2.3 per cent in April. Non-agricultural output increased by 3.2 per cent in the first quarter.*



* NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (1st qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

June 1964
205-502

APRIL INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production, after suffering a setback in March, rebounded in April, rising by 2.3% to 215.1. This April increase led the index 1.3% above the February level. All three major divisions contributed to this latest gain with mining up by 2.4%, manufacturing by 2.1% and electric power and gas utilities by almost 4%. For the year to date, the total index is now higher by 10.5% than the same period last year.

Almost three-quarters of the strength in manufacturing came from non-durables where output advanced by 2.8%, with most major groups higher by substantial amounts. Tobacco products gained almost 20% in April after two consecutive large monthly declines. Both paper products and printing and publishing were substantially higher largely reflecting increases in both domestic and export shipments of newsprint. Textile production was up by more than 7%, as all components showed relatively large gains. Other substantial increases were recorded in foods and beverages, leather and rubber products. Clothing fell in April as did chemical products. The latter movement occurred in spite of higher acids output and was solely due to a substantial decline in paints.

There were similarly large gains in many of the components of durable manufactures in April, as this aggregate moved ahead by 1.3%. Increases ranged from between three and three and one-half per cent in wood products, iron and steel and electrical apparatus and supplies. The most important industry contributors were sawmills, iron castings, primary steel and telecommunication equipment. It is interesting to note that the strength in durables occurred in spite of a more than 5% decline in motor vehicle production. Non-metallic mineral products fell slightly in April, while non-ferrous metal products gained 2%.

Gains in mining output were about as widespread as in manufacturing, with both metals and fuels up by 2% and non-metals, due to asbestos, 10% higher. Iron ore was the only major metal to decline (-4%), and each of coal, natural gas and crude petroleum also showed gains.

In electricity and gas, both components moved higher, in particular gas utilities.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the attached March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. The Industrial Production indexes in Table 3 are quarterly and annual averages of the figures in Tables 1 and 2.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1963		1964			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDUSTRIAL PRODUCTION, TOTAL	32.231	1	203.5	207.7	210.8	212.3	210.2	215.1
MINING, TOTAL	3.245	2	305.1	311.8	335.2	324.9	317.3	324.9
Metals	1.925	2	200.9	203.7	223.7	226.7	216.8	221.7
Gold	0.624	5	94.1	88.4	87.7	88.3	91.3	92.7
Copper	0.356	4	182.6	170.9	189.1	181.8	184.5	185.4
Iron ore	0.099	3	780.4	948.6	891.3	1,017.0	1,055.5	1,009.5
Nickel	0.337	4	161.3	176.0	165.6	184.6	170.3	186.1
Non-metals	0.268	5	244.5	243.9	231.5	234.8	230.2	253.8
Asbestos	0.214	5	257.7	250.9	242.5	245.5	238.8	274.5
Fuels	0.915	3	531.7	542.7	571.8	530.5	526.4	536.1
Coal	0.553	6	47.8	49.7	52.3	52.8	57.1	57.3
Natural gas	0.035	2	1,270.9	1,224.3	1,169.6	1,216.0	1,245.0	1,361.6
Petroleum	0.327	3	1,269.6	1,302.0	1,384.9	1,263.6	1,241.7	1,256.0
MANUFACTURING, TOTAL	27.340	3	180.2	183.5	185.2	188.6	186.3	190.2
NON-DURABLE MANUFACTURES	14.742	3	175.9	180.1	179.7	184.2	180.1	185.1
Foods and beverages	3.814	4	165.3	166.6	171.8	180.0	170.1	175.0
Foods	2.896	4	159.6	163.2	168.5	173.1	166.5	170.2
Meat products	0.523	4	169.1	175.3	180.2	178.8	163.7	180.5
Dairy products	0.450	3	161.8	169.4	169.0	168.2	168.5	169.0
Canning and processing	0.453	4	167.7	158.2	164.0	197.9	193.1	194.7
Grain mill products	0.322	4	157.5	163.5	194.3	192.3	186.4	176.3
Bakery products	0.558	3	135.1	134.8	143.1	143.2	142.4	143.4
Miscellaneous foods	0.590	4	167.5	178.4	171.0	170.5	158.9	165.1
Beverages	0.918	6	183.3	177.5	182.1	201.9	181.5	190.4
Carbonated beverages	0.231	6	200.0	169.0	171.7	196.0	177.3	196.9
Breweries	0.463	6	163.7	168.2	158.9	183.1	176.9	164.9
Distilleries	0.203	6	214.3	213.0	248.3	257.3	200.1	245.0
Tobacco and tobacco products ..	0.248	6	206.4	209.1	209.2	199.5	178.8	213.6
Rubber products	0.430	3	192.5	207.7	201.1	226.4	209.2	229.5
Leather products	0.508	2	132.3	128.4	125.1	132.4	125.4	131.8
Boots and shoes	0.307	4	145.7	138.3	131.1	141.3	131.4	139.5
Textiles	1.623	3	163.4	172.1	168.1	167.8	167.8	180.2
Cotton goods	0.507	4	115.2	121.4	117.4	121.0	108.3	132.9
Wool goods	0.300	3	89.1	90.9	104.5	94.3	93.0	99.7
Synthetic Textiles and Silk	0.429	3	286.3	308.2	283.3	283.7	299.3	311.9
Clothing	1.801	3	136.3	146.6	132.3	135.4	131.2	127.0
Paper products	2.649	3	168.8	175.4	172.8	176.3	176.5	181.2
Pulp and paper	2.108	3	168.9	176.5	171.6	172.8	174.9	183.0

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1963		1964			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	155.9	157.4	162.0	159.7	160.0	172.0
Products of petroleum and coal	0.513	3	302.9	308.0	299.7	308.9	298.6	303.0
Petroleum products	0.454	3	327.5	332.2	323.0	334.2	322.8	
Chemicals and allied products	1.359	2	262.9	263.1	269.3	273.1	275.6	267.0
Acids, alkalies, salts and fertilizers	0.346	2	315.0	310.5	303.8	310.7	304.2	320.0
Miscellaneous manufactures	0.524	1	246.3	245.1	252.3	258.2	260.0	261.0
DURABLE MANUFACTURES	12.598	3	185.2	187.6	191.6	193.8	193.6	196.0
Wood products	2.108	2	165.9	165.6	173.1	171.3	169.4	174.0
Saw and planing mills	1.444	3	181.7	180.4	191.1	187.5	184.4	191.0
Veneers and plywoods	0.122	3	404.5	405.8	415.0	391.0	401.5	408.0
Sawmills	0.994	4	169.6	166.3	178.9	176.2	170.7	181.0
Furniture	0.460	2	153.8	156.1	156.6	158.7	159.9	159.0
Iron and steel products	4.026	2	168.7	171.4	176.2	176.5	177.8	183.0
Machinery	0.851	1	163.0	164.8	167.6	171.1	172.3	173.0
Iron castings	0.387	3	157.1	161.4	177.6	170.1	157.4	186.0
Primary iron and steel	0.845	2	240.9	245.4	240.7	233.9	241.6	253.0
Sheet metal products	0.359	1	154.6	158.1	161.8	164.9	165.0	164.0
Transportation equipment	2.651	4	204.7	209.2	207.4	208.2	211.8	205.0
Aircraft and parts	0.203	1	257.2	256.7	261.7	259.7	260.4	265.0
Motor vehicles	1.035	4	299.5	305.7	299.4	304.5	318.0	301.0
Motor vehicle parts	0.462	2	203.0	214.9	216.9	215.4	211.7	209.0
Railway rolling stock	0.621	1	44.4	44.7	44.7	46.1	46.9	46.0
Shipbuilding and repairs	0.261	1	195.1	195.2	195.4	184.4	174.0	172.0
Non-ferrous metal products	1.601	3	149.3	148.8	153.3	157.8	159.3	162.0
Brass and copper products ...	0.241	1	138.6	140.4	144.0	147.6	149.2	150.0
Smelting and refining	1.028	3	160.6	159.2	163.6	169.9	171.4	176.0
Electrical apparatus and supplies	1.418	2	230.8	232.5	232.9	229.9	230.2	238.0
Heavy electrical machinery ..	0.489	1	151.1	155.0	156.7	158.8	161.1	161.0
Telecommunication equipment	0.142	3	592.8	589.2	590.9	550.7	538.9	585.0
Refrigerators and appliances	0.227	3	243.5	235.7	218.7	220.8	216.6	233.0
Non-metallic mineral products	0.794	2	246.4	253.7	269.3	301.6	281.1	279.0
Concrete products	0.098	4	682.0	783.6	890.8	998.2	819.6	832.0
Hydraulic cement	0.117	5	247.7	192.5	228.2	309.1	284.9	310.0
Domestic clay products	0.083	3	141.1	127.7	126.2	149.3	166.2	167.0
ELECTRIC POWER AND GAS UTILITIES	1.646	2	390.6	403.8	391.2	384.3	396.4	411.0
Electric power	1.480	2	364.9	374.2	360.0	360.5	367.9	372.0
Gas	0.166	3	621.0	668.9	670.7	598.1	652.2	760.0

TABLE 2. Industrial Production Indexes
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
INDUSTRIAL PRODUCTION, TOTAL ..	186.0	195.9	190.7	192.0	189.3	211.0	209.2	212.0
MINING, TOTAL	287.4	294.4	286.5	286.4	272.6	314.4	302.9	307.1
Metals	197.7	193.8	176.0	181.2	190.4	202.4	191.4	215.6
Gold	100.1	95.5	98.7	95.6	98.0	89.1	90.8	95.9
Copper	176.7	174.0	158.0	167.4	169.0	171.1	179.5	176.9
Iron ore	632.5	670.8	356.1	437.5	540.3	549.2	614.3	736.9
Nickel	184.2	171.0	176.7	177.1	188.3	184.6	170.8	185.6
Non-metals	222.5	228.1	203.1	210.1	207.1	221.8	225.8	250.6
Asbestos	234.1	239.1	220.3	228.3	223.6	243.5	246.0	272.6
Fuels	480.8	513.6	557.6	541.0	462.1	584.7	559.8	501.4
Coal	48.8	52.0	61.1	48.5	47.8	58.1	54.2	51.6
Natural gas	1,005.7	1,179.8	1,395.9	1,235.8	1,149.1	1,532.2	1,456.7	1,388.8
Petroleum	1,154.0	1,221.6	1,306.0	1,298.0	1,088.0	1,372.3	1,317.4	1,165.6
MANUFACTURING, TOTAL	164.9	173.9	166.3	169.4	168.9	184.9	184.9	188.0
DURABLE MANUFACTURES	164.8	172.2	162.6	168.4	165.8	179.3	178.5	181.2
Food and beverages	158.9	162.1	139.5	144.8	146.8	154.7	151.0	158.9
Food	154.8	157.2	138.6	138.9	140.0	150.9	145.9	151.6
Meat products	159.2	163.6	159.9	161.8	160.6	178.4	166.3	181.0
Dairy products	159.3	163.5	137.7	147.4	158.7	141.6	152.8	166.0
Canning and processing	164.7	165.4	96.0	88.0	86.8	105.4	92.4	94.9
Grain mill products	137.5	145.9	143.4	143.6	135.4	190.8	186.8	169.9
Bakery products	145.4	138.8	130.8	129.6	135.0	131.3	131.6	139.0
Miscellaneous foods	158.3	164.3	158.1	157.4	155.3	165.0	154.7	159.9
Beverages	171.9	177.6	142.0	163.5	168.3	166.7	167.2	182.0
Carbonated beverages	173.0	178.7	137.1	136.6	167.7	159.9	138.3	173.5
Breweries	156.3	159.9	127.6	160.5	168.1	152.0	176.2	179.3
Distilleries	210.0	220.3	183.3	206.5	175.9	214.3	185.3	205.1
Tobacco and tobacco products	203.7	207.7	224.6	219.0	210.6	203.5	183.6	211.5
Leather products	167.6	190.5	202.1	204.9	183.3	242.7	218.2	227.7
Other leather products	126.7	127.0	139.7	139.2	129.5	145.8	138.1	136.7
Boots and shoes	137.7	136.9	155.6	157.4	141.3	161.6	151.6	147.9
Textiles	146.6	159.5	159.7	162.0	155.8	176.8	176.0	182.3
Cotton goods	105.3	109.6	109.0	109.6	109.0	130.4	116.9	139.0
Wool goods	84.9	89.8	89.5	84.2	72.3	94.9	88.8	100.5
Synthetic textiles and silk	243.6	281.0	287.7	298.3	283.6	310.9	327.4	315.6
Other things	111.0	137.0(1)	137.8	142.6	135.0	138.8	142.3	125.0
Other products	159.1	164.3	151.0	161.2	159.4	173.0	175.8	180.1
Pulp and paper	158.6	163.8	151.7	163.1	159.6	173.8	177.2	183.0

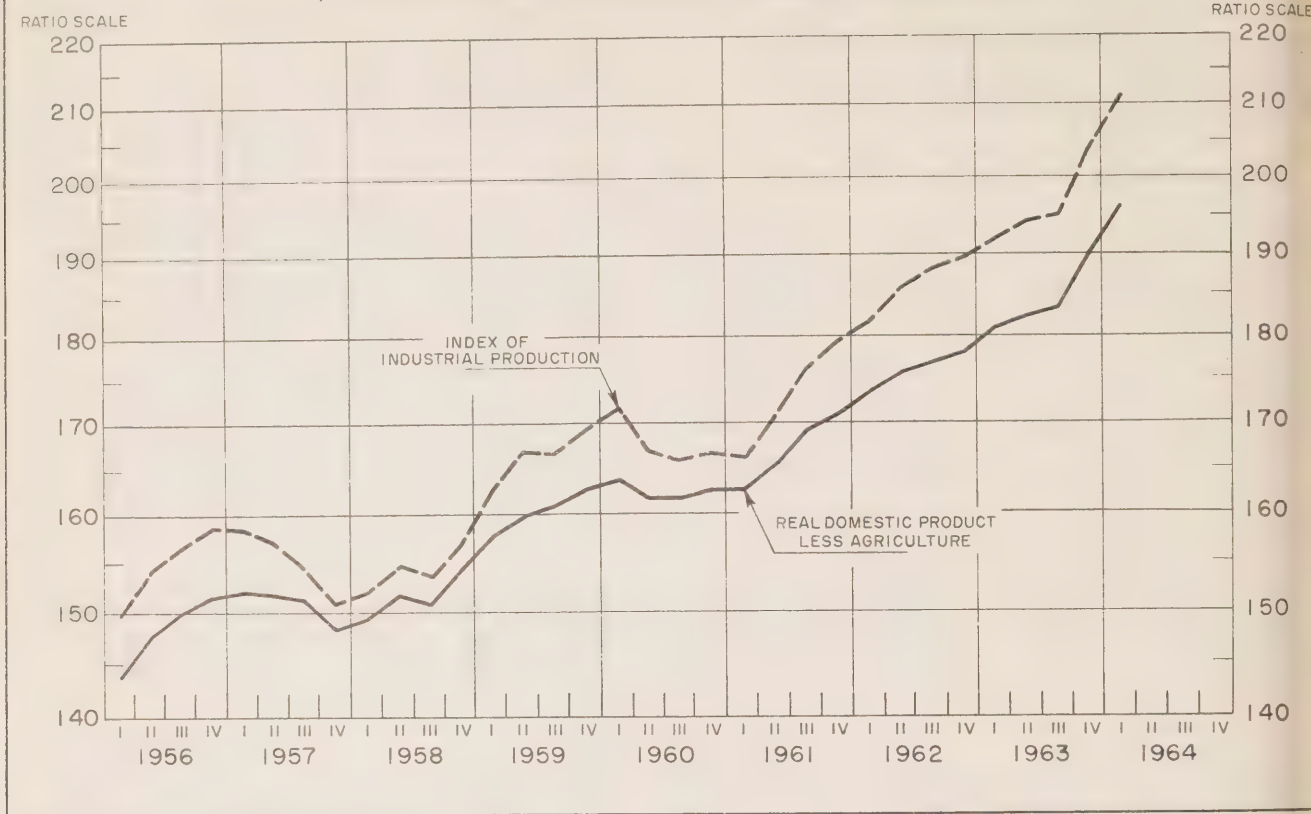
See page 2 footnote (2).

TABLE 2. Industrial Production Indexes - Concluded

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	151.2	157.4	157.8	158.7	163.3	173.8
Products of petroleum and coal	272.8	296.0	286.9	297.7	275.9	316.8	296.8	281.5
Petroleum products	294.3	319.7	309.3	321.6	296.8	343.2	320.6	
Chemicals and allied products	233.2	249.1	234.8	244.8	249.5	273.8	283.2	282.0
Acids, alkalies, salts and fertilizers	266.0	302.0	273.2	299.6	311.8	321.0	340.7	356.1
Miscellaneous manufactures	237.2	246.6	233.1	235.5	237.6	247.9	250.6	252.2
DURABLE MANUFACTURES	165.0	175.9	170.7	170.6	172.6	191.4	192.4	196.0
Wood products	151.5	159.0	163.4	161.7	142.1	177.2	175.1	159.8
Saw and planing mills	161.1	172.1	181.5	179.3	150.4	199.4	196.1	173.6
Veneers and plywoods	329.8	358.8	375.4	354.8	356.2	420.3	417.6	424.9
Sawmills	149.6	162.3	177.6	176.4	135.0	194.5	189.7	155.3
Furniture	152.5	153.0	146.2	145.1	145.2	151.1	151.1	150.9
Iron and steel products	152.1	161.8	155.7	158.8	159.7	171.4	174.7	182.4
Machinery	149.1	160.2	154.4	154.9	157.0	165.8	168.0	170.2
Iron castings	135.5	151.1	159.9	175.4	165.5	176.2	173.1	198.5
Primary iron and steel	193.0	216.9	205.9	207.2	213.5	229.2	236.0	255.0
Sheet metal products	157.3	156.9	146.3	148.8	152.2	149.7	152.5	156.3
Transportation equipment	156.7	181.4	183.9	180.5	197.8	224.3	227.6	233.2
Aircraft and parts	260.0	233.8	232.9	230.0	225.9	264.9	263.8	263.2
Motor vehicles	206.9	257.6	269.2	258.8	299.0	346.2	356.2	367.6
Motor vehicle parts	146.6	179.5	171.1	172.8	178.6	217.8	216.4	220.4
Railway rolling stock	41.5	41.1	39.4	39.0	38.7	44.9	45.6	45.5
Shipbuilding and repairs	186.9	197.2	197.3	203.1	212.4	178.5	175.0	180.7
Non-ferrous metal products	148.9	148.8	147.1	145.6	149.7	157.9	158.2	163.7
Brass and copper products ...	126.9	133.4	124.1	125.3	127.3	143.9	146.5	148.6
Smelting and refining	164.2	161.6	163.3	160.5	165.7	172.4	171.7	179.6
Electrical apparatus and supplies	212.9	223.5	220.6	216.2	212.6	229.5	225.8	228.4
Heavy electrical machinery ..	149.8	154.3	153.9	151.7	150.8	154.4	155.1	155.7
Telecommunication equipment	524.1	546.9	551.4	513.3	481.4	577.1	530.8	523.2
Refrigerators and appliances	198.4	221.6	221.9	228.6	219.4	226.3	227.0	240.3
Non-metallic mineral products	240.9	243.0	179.8	189.5	208.8	219.7	220.5	244.1
Concrete products	655.0	652.3	350.5	431.2	521.0	560.0	565.5	688.8
Hydraulic cement	241.9	246.0	138.1	148.5	206.3	175.9	179.5	254.8
Domestic clay products	148.1	136.7	101.0	103.9	117.7	113.2	126.3	146.0
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	406.8	380.0	363.7	441.3	427.8	422.2
Electric power	313.1	339.2	345.4	332.4	328.5	386.1	377.8	373.3
Gas	558.3	620.1	957.6	807.4	679.7	936.7	876.6	861.2

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fish and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1964

Seasonally adjusted non-agricultural output for the first quarter of 1964 showed an increase of over 3 per cent from the fourth quarter of 1963. It has thus increased by over 8 per cent since the first quarter of 1963 and by 21 per cent from its first quarter, 1961 cyclical trough. The industries comprising the Index of Industrial Production contributed substantially to the 1961 - 64 expansion, accounting for about 48 per cent of the increase, followed by trade with a 15 per cent contribution and transportation, storage and communication, which accounted for 11 per cent. The following is a comparison of percentage increases in non-agricultural output and the Index of Industrial Production over the course of recent cycles in real output.

Increase from trough to peak

	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'64(1)
	10 quarters	9 quarters	12 quarters
	per cent		
Total non-agricultural output	22.2	10.1	20.9
Index of Industrial Production	25.4	13.7	27.1

Increase from previous peak

	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'64(1)
	13 quarters	13 quarters	16 quarters
	per cent		
Total non-agricultural output	20.4	7.9	20.0
Index of Industrial Production	23.0	8.0	23.2

Some special factors affecting the economy during the fourth quarter were still at work during the opening months of 1964. The large export sales of grain, necessitating its transportation by rail and ship; the government programme for the stimulation of winter house - building which was operative during the last two quarters; the imminence of the second, and higher, stage of the tax on building materials which became effective as of April; and the high levels of automobile production, are among the most important of these special influences. Thus in many instances the strong upward movements evident in late 1963 were continued in the current year, with a slackening during March in some areas of production. The milder than average weather conditions in the first quarter may also have influenced output levels in some industries.

Among the major industry groupings, gains were widespread in the first quarter of 1964, ranging from a fractional increase in electric power and gas utilities to an almost 15 per cent gain in non-metallic mineral products. There were only a few declines: in the tobacco, petroleum and leather products components of manufacturing and in storage.

The most notable development in the quarter was the 9 per cent increase in construction which accounted for about one-fifth of the gain in non-agricultural output. Following upon a 6 1/2 per cent increase in the fourth quarter, this current gain brought construction to a level more than 8 per cent above its previous post-war high reached during the second quarter of 1958. The expansion in construction activity also stimulated production in related industries, as shown by the large gains in the output and sales of building materials during this period.

(1) Production was still increasing during the first quarter.

Manufacturing, with a 3 1/2 per cent gain, continued to be the largest single contributor to the aggregate gain, accounting for over 30 per cent of the advance in non-agricultural output. For the second quarter in succession, durable manufacturing showed a particularly large gain (5 per cent versus 6 per cent in the preceding quarter). Increases of between 3 and 5 1/2 per cent were recorded by all major groups except electrical apparatus and supplies (+ 1 per cent) and non-metallic mineral products (+ 14 1/2 per cent). This last group, which accounted for over one quarter of the gain in durables, advanced largely as a result of the exceptional increases in the cement and concrete products industries. It is interesting to note that other industries which produce construction materials, for instance, wood products, and some components of iron and steel in durables, as well as roofing paper and paints and varnishes in non-durables, also showed very strong gains for the quarter. In many of these industries, however, output showed some declines in March. Motor vehicle production, which has increased by more than 120 per cent since the first quarter of 1961, advanced by 4 1/2 per cent in the first quarter. While still high, this is a smaller increase than that achieved during the preceding three months. Non-durable manufacturing advanced by 2 1/2 per cent, thus accounting for about one third of the total increase in manufacturing. About half of the increase in non-durables came from the foods and beverage component, while the 5 per cent gain in chemicals contributed another 29 per cent to the advance.

Trade was the second largest contributor to the expansion in non-agricultural output during the first quarter, accounting for about 20 per cent of the total gain, followed by construction and durable manufacturing. More than half of the increase in trade came from the wholesale component, which increased by 6 1/2 per cent. Retail trade showed a 3 per cent gain. At both the retail and the wholesale levels particularly sharp increases took place in the sales of lumber, building, and construction materials and industrial and transportation equipment. Together they accounted for a major part of the total expansion in trade.

Transportation, storage and communication expanded less rapidly than during the fourth quarter, with railway transport, shipping and communication jointly accounting for about three quarters of the 2 1/2 per cent gain in the first quarter. Railways and shipping were again affected by large wheat movements. It must be remembered that the increases in the output of these two industries, although smaller than during the preceding quarter, represent an advance from very high fourth quarter levels. Storage showed a drop in the first quarter, mainly as a result of a decline in receipts and shipments at grain elevators from an exceptionally high fourth quarter.

Mining showed a strong gain of over 6 per cent in the first quarter, following a 5 1/2 per cent increase in the fourth quarter of 1963. During most of 1962 and 1963 the increases had been relatively small. The major part of the first quarter increase in mining came from the metal mining component, which advanced by 11 1/2 per cent, about half of which was due to iron ore.

Public administration and defence increased by less than 1 per cent after a pause in the fourth quarter, while finance, insurance and real estate and the community, recreation, business and personal service group exhibited a slight slowdown in their rates of advance as compared with the previous quarter.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.6	167.9	133.0	175.2	160.6
2								
3								
4								
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.6	195.6	215.8	137.4	172.1	133.6	170.0	158.5
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
3 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
4 - 1	302.4	272.7	256.8	193.0	171.3	176.8	209.1	156.8
2								
3								
4								
	Without seasonal adjustment							
1	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
2	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
3	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
2 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
3 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
4 - 1	306.4	272.5	247.7	188.7	170.4	169.6	223.7	156.6
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
	Seasonally adjusted							
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
1964 - 1	231.0	284.0	197.2	390.6	206.5	194.8	235.0	185.0
2								
3								
4								
	Without seasonal adjustment							
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.9
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4
1964 - 1	227.1	213.2	127.9	439.2	187.1	170.9	197.4	168.4
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries	Index of Industrial Production
Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
- 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
- 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
- 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
- 1	197.4	178.5	200.6	190.4	168.0	196.4	193.5	211.1
2								
3								
4								
Without seasonal adjustment								
.....	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
.....	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
.....	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
- 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
- 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
- 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
- 1	196.1	154.0	196.7	184.3	163.4	182.4	189.6	207.4
2								
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MAY 1964

The seasonally adjusted index of industrial production
declined by 2.7 per cent in May.



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (1st qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

July 1964
205-502

MAY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production suffered a decline in May of 2.7% to 209.3 from the revised April level of 215.2. The latest development left the index slightly lower than in March of this year, although higher by almost 10% for the year to date over the same period in 1963. In May, there was a decline of almost 3% in manufacturing production, with both durables and non-durables down by the same amount. The rest of the decline occurred in electric power and gas utilities where output fell by 6% from the high April levels. Mining production was marginally higher in May.

There were particularly large declines in most of the durable major groups, with the largest contributor being transportation equipment where motor vehicles fell by almost 10%. In addition, somewhat lower primary steel production brought total iron and steel down by more than 2%. The construction-oriented industries, non-metallic mineral products and wood products, were lower by 7% and 4% respectively. The particular sources of these weaknesses were sawmills, cement and concrete products. Showing small gains were non-ferrous metal products and electrical apparatus and supplies.

There were similarly large declines in some of the non-durable major groups, being particularly notable in textiles and clothing (-6%), petroleum products (-7%) and rubber (-9%). There was also a drop of 4% in paper products, as pulp and paper fell from its very high April level.

Although total mining was little changed in May, both metals and non-metals registered declines of 3% while fuels advanced by the same amount. The most important contributors to the decline in metals were iron ore, zinc and lead, while crude petroleum was responsible for the rise in fuels.

In utilities, the large drop in May occurred after relatively high April level in both components, electric power and gas utilities.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the attached March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Product alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. Latest revisions to March 1964 data published in Tables 1 and 2 have not been incorporated in Table 3.

TABLE 1. Index of Industrial Production

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1963	1964				
			Dec.	Jan.	Feb.	Mar.	Apr.	May
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	207.7	210.8	212.3	210.2	215.2	209.3
MINING, TOTAL	3.245	2	311.8	335.2	324.9	317.3	324.0	324.6
Metals	1.925	2	203.7	223.7	226.7	216.8	221.7	215.6
Gold	0.624	5	88.4	87.7	88.3	91.3	92.7	89.7
Copper	0.356	4	170.9	189.1	181.8	184.5	185.4	187.1
Iron ore	0.099	3	948.6	891.3	1,017.0	1,055.5	1,009.5	948.5
Nickel	0.337	4	176.0	165.6	184.6	170.3	186.1	187.7
Non-metals	0.268	5	243.9	231.5	234.8	230.9	254.2	245.7
Asbestos	0.214	5	250.9	242.5	245.5	239.6	274.0	260.8
Fuels	0.915	3	542.7	571.8	530.5	526.4	533.0	550.5
Coal	0.553	6	49.7	52.3	52.8	57.1	57.3	53.4
Natural gas	0.035	2	1,224.3	1,169.6	1,216.0	1,245.0	1,355.5	1,377.2
Petroleum	0.327	3	1,302.0	1,384.9	1,263.6	1,241.7	1,248.1	1,301.3
MANUFACTURING, TOTAL	27.340	3	183.5	185.2	188.6	186.3	190.6	185.1
NON-DURABLE MANUFACTURES	14.742	3	180.1	179.7	184.2	180.1	185.8	180.4
Foods and beverages	3.814	4	166.6	171.8	180.0	170.3	175.7	172.4
Foods	2.896	4	163.2	168.5	173.1	166.7	171.2	167.7
Meat products	0.523	4	175.3	180.2	178.8	163.7	180.5	171.0
Dairy products	0.450	3	169.4	169.0	168.2	168.5	169.0	177.7
Canning and processing	0.453	4	158.2	164.0	197.9	192.3	196.5	187.8
Grain mill products	0.322	4	163.5	194.3	192.3	190.3	184.4	182.3
Bakery products	0.558	3	134.8	143.1	143.2	141.9	143.6	143.9
Miscellaneous foods	0.590	4	178.4	171.0	170.5	158.9	164.0	156.5
Beverages	0.918	6	177.5	182.1	201.9	181.5	190.2	187.0
Carbonated beverages	0.231	6	169.0	171.7	196.0	177.3	196.9	176.5
Breweries	0.463	6	168.2	158.9	183.1	176.9	164.9	164.0
Distilleries	0.203	6	213.0	248.3	257.3	200.1	245.0	255.2
Tobacco and tobacco products ..	0.248	6	209.1	209.2	199.5	178.8	213.6	209.5
Rubber products	0.430	3	207.7	201.1	226.4	209.2	229.5	209.6
Leather products	0.508	2	128.4	125.1	132.4	125.0	131.7	134.5
Boots and shoes	0.307	4	138.3	131.1	141.3	131.4	140.8	142.4
Textiles	1.623	3	172.1	168.1	167.8	167.7	181.2	169.6
Cotton goods	0.507	4	121.4	117.4	121.0	108.3	132.9	116.3
Wool goods	0.300	3	90.9	104.5	94.3	93.0	99.7	96.0
Synthetic Textiles and Silk	0.429	3	308.2	283.3	283.7	299.3	316.2	294.8
Clothing	1.801	3	146.6	132.3	135.4	131.2	130.8	122.9
Paper products	2.649	3	175.4	172.8	176.3	176.4	180.9	173.7
Pulp and paper	2.108	3	176.5	171.6	172.8	174.9	183.0	175.4

TABLE 1. Index of Industrial Production - Concluded

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1963	1964				
			Dec.	Jan.	Feb.	Mar.	Apr.	May
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	157.4	162.0	159.7	160.0	172.5	174.0
Products of petroleum and coal	0.513	3	308.0	299.7	308.9	298.4	305.1	283.3
Petroleum products	0.454	3	332.2	323.0	334.2	322.6	330.3	
Chemicals and allied products	1.359	2	263.1	269.3	273.1	275.6	268.7	269.0
Acids, alkalies, salts and fertilizers	0.346	2	310.5	303.8	310.7	304.2	320.2	318.9
Miscellaneous manufactures	0.524	1	245.1	252.3	258.2	259.5	258.4	258.2
DURABLE MANUFACTURES	12.598	3	187.6	191.6	193.8	193.6	196.1	190.5
Wood products	2.108	2	165.6	173.1	171.3	169.2	174.2	166.8
Saw and planing mills	1.444	3	180.4	191.1	187.5	184.1	191.7	180.9
Veneers and plywoods	0.122	3	405.8	415.0	391.0	401.5	408.2	376.3
Sawmills	0.994	4	166.3	178.9	176.2	170.7	181.6	170.3
Furniture	0.460	2	156.1	156.6	158.7	159.9	159.5	159.5
Iron and steel products	4.026	2	171.4	176.2	176.5	177.9	184.1	179.8
Machinery	0.851	1	164.8	167.6	171.1	172.4	174.3	175.3
Iron castings	0.387	3	161.4	177.6	170.1	157.4	186.0	198.1
Primary iron and steel	0.845	2	245.4	240.7	233.9	241.6	255.4	235.6
Sheet metal products	0.359	1	158.1	161.8	164.9	165.5	163.1	160.7
Transportation equipment	2.651	4	209.2	207.4	208.2	211.8	205.6	194.7
Aircraft and parts	0.203	1	256.7	261.7	259.7	260.4	266.9	270.7
Motor vehicles	1.035	4	305.7	299.4	304.5	318.0	301.3	271.7
Motor vehicle parts	0.462	2	214.9	216.9	215.4	211.9	211.6	213.0
Railway rolling stock	0.621	1	44.7	44.7	46.1	46.9	46.6	46.3
Shipbuilding and repairs	0.261	1	195.2	195.4	184.4	174.0	173.2	175.8
Non-ferrous metal products	1.601	3	148.8	153.3	157.8	159.0	161.7	164.5
Brass and copper products ...	0.241	1	140.4	144.0	147.6	148.3	147.4	147.7
Smelting and refining	1.028	3	159.2	163.6	169.9	171.4	175.5	179.8
Electrical apparatus and supplies	1.418	2	232.5	232.9	229.9	230.2	237.6	239.2
Heavy electrical machinery ..	0.489	1	155.0	156.7	158.8	161.1	161.5	160.9
Telecommunication equipment	0.142	3	589.2	590.9	550.7	538.9	583.2	607.9
Refrigerators and appliances	0.227	3	235.7	218.7	220.8	216.6	233.5	238.4
Non-metallic mineral products	0.794	2	253.7	269.3	301.6	280.8	279.2	259.3
Concrete products	0.098	4	783.6	890.8	998.2	819.6	832.9	740.7
Hydraulic cement	0.117	5	192.5	228.2	309.1	284.9	310.0	270.6
Domestic clay products	0.083	3	127.7	126.2	149.3	166.2	167.2	151.5
ELECTRIC POWER AND GAS UTILITIES	1.646	2	403.8	391.2	384.3	396.4	409.3	384.5
Electric power	1.480	2	374.2	360.0	360.5	367.9	370.1	351.7
Gas	0.166	3	668.9	670.7	598.1	652.2	760.8	678.5

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1963			1964		
	1962	1963	Mar.	Apr.	May	Mar.	Apr.	May
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	192.0	189.3	197.2	209.2	212.1	212.0
MINING, TOTAL	287.4	294.4	186.4	272.6	296.2	302.9	306.3	327.0
Metals	197.7	193.8	181.2	190.4	205.7	191.4	215.6	221.2
Gold	100.1	95.5	95.6	98.0	99.0	90.8	95.9	88.8
Copper	176.7	174.0	167.4	169.0	164.9	179.5	176.9	180.9
Iron ore	632.5	670.8	437.5	540.3	831.3	614.3	736.9	1,043.3
Nickel	184.2	171.0	177.1	188.3	184.1	170.8	185.6	193.0
Non-metals	222.5	228.1	210.1	207.1	234.9	226.5	251.0	250.2
Asbestos	234.1	239.1	228.3	223.6	242.6	246.8	272.1	264.5
Fuels	480.8	513.6	541.0	462.1	482.5	559.8	498.5	532.0
Coal	48.8	52.0	48.5	47.8	49.3	54.2	51.6	48.8
Natural gas	1,005.7	1,179.8	1,235.8	1,149.1	1,060.5	1,456.7	1,382.6	1,232.6
Petroleum	1,154.0	1,221.6	1,298.0	1,088.0	1,152.1	1,317.4	1,158.2	1,272.7
MANUFACTURING, TOTAL	164.9	173.9	169.4	168.9	176.2	184.9	188.4	188.6
NON-DURABLE MANUFACTURES	164.8	172.2	168.4	165.8	171.4	178.5	181.9	180.6
Foods and beverages	158.9	162.1	144.8	146.8	159.0	151.3	159.5	170.7
Foods	154.8	157.2	138.9	140.0	151.7	146.2	152.4	163.2
Meat products	159.2	163.6	161.8	160.6	164.7	166.3	181.0	172.7
Dairy products	159.3	163.5	147.4	158.7	172.9	152.8	166.0	190.0
Canning and processing	164.7	165.4	88.0	86.8	132.7	92.0	95.8	141.5
Grain mill products	137.5	145.9	143.6	135.4	139.9	190.7	177.6	180.8
Bakery products	145.4	138.8	129.6	135.0	139.2	131.2	139.2	144.3
Miscellaneous foods	158.3	164.3	157.4	155.3	157.1	154.7	158.6	159.3
Beverages	171.9	177.6	163.5	168.3	182.0	167.2	181.9	194.4
Carbonated beverages	173.0	178.7	136.6	167.7	179.4	138.3	173.5	181.6
Breweries	156.3	159.9	160.5	168.1	173.2	176.2	179.3	185.5
Distilleries	210.0	220.3	206.5	175.9	211.5	185.3	205.1	236.6
Tobacco and tobacco products	203.7	207.7	219.0	210.6	223.7	183.6	211.5	218.3
Rubber products	167.6	190.5	204.9	183.3	193.5	218.2	227.7	213.2
Leather products	126.7	127.0	139.2	129.5	123.2	137.7	136.6	131.7
Boots and shoes	137.7	136.9	157.4	141.3	132.6	151.6	149.3	141.0
Textiles	146.6	159.5	162.0	155.8	159.8	176.0	183.3	171.8
Cotton goods	105.3	109.6	109.6	109.0	106.2	116.9	139.0	118.9
Wool goods	84.9	89.8	84.2	72.3	93.4	88.8	100.5	93.1
Synthetic textiles and silk	243.6	281.0	298.3	283.6	285.2	327.4	320.0	303.6
Clothing	111.0	137.0(1)	142.6	135.0	124.3	142.3	128.7	112.6
Paper products	159.1	164.3	161.2	159.4	167.1	175.8	179.8	175.8
Pulp and paper	158.6	163.8	163.1	159.6	167.4	177.2	183.0	178.2

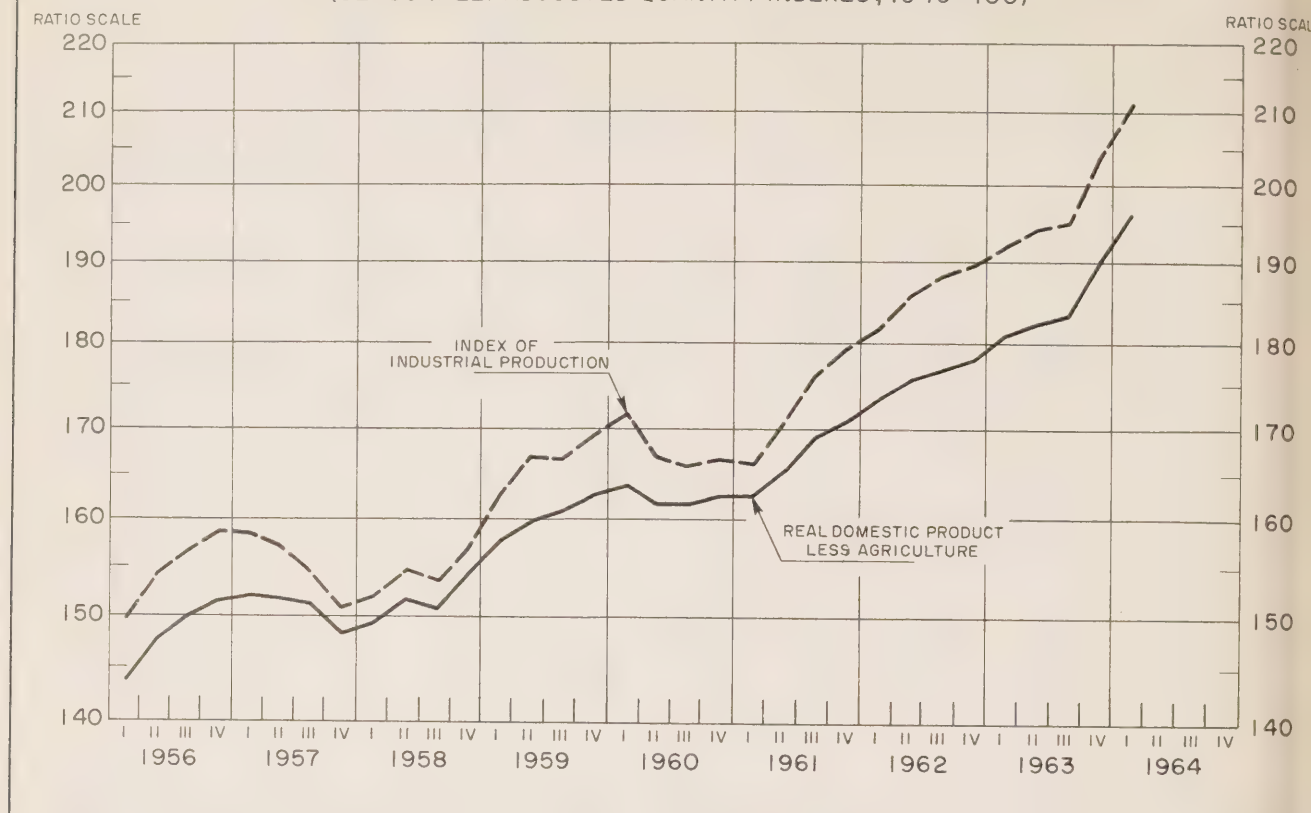
See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded

(1949=100)

Industry or industry group	Annual average		Without seasonal adjustment					
			1963			1964		
	1962	1963	Mar.	Apr.	May	Mar.	Apr.	May
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing publishing and allied industries	154.0	156.7	157.4	157.8	160.0	163.3	174.4	179.7
Products of petroleum and coal	272.8	296.0	297.7	275.9	273.0	296.5	283.3	267.4
Petroleum products	294.3	319.7	321.6	296.8	293.7	320.3	305.5	
Chemicals and allied products	233.2	249.1	244.8	249.5	261.5	283.2	283.3	282.6
Acids, alkalies, salts and fertilizers	266.0	302.0	299.6	311.8	325.5	340.7	356.1	349.5
Miscellaneous manufactures	237.2	246.6	235.5	237.6	241.6	250.2	249.4	251.0
DURABLE MANUFACTURES								
Wood products	151.5	159.0	161.7	142.1	157.2	174.9	159.7	166.2
Saw and planing mills	161.1	172.1	179.3	150.4	171.5	195.8	173.4	182.1
Veneers and plywoods	329.8	358.8	354.8	356.2	356.6	417.6	424.9	391.7
Sawmills	149.6	162.3	176.4	135.0	164.5	189.7	155.3	172.7
Furniture	152.5	153.0	145.1	145.2	146.5	151.1	151.2	153.3
Iron and steel products	152.1	161.8	158.8	159.7	166.6	174.8	182.8	185.2
Machinery	149.1	160.2	154.9	157.0	160.0	168.1	171.2	174.2
Iron castings	135.5	151.1	175.4	165.5	165.2	173.1	198.5	217.1
Primary iron and steel	193.0	216.9	207.2	213.5	225.5	236.0	257.2	249.7
Sheet metal products	157.3	156.9	148.8	152.2	157.9	152.9	154.8	159.3
Transportation equipment	156.7	181.4	180.5	197.8	203.1	227.6	233.7	221.7
Aircraft and parts	260.0	233.8	230.0	225.9	227.6	263.8	265.0	269.3
Motor vehicles	206.9	257.6	258.8	299.0	308.4	356.2	367.6	331.5
Motor vehicle parts	146.6	179.5	172.8	178.6	184.8	216.6	222.2	228.1
Railway rolling stock	41.5	41.1	39.0	38.7	39.0	45.6	45.5	45.7
Shipbuilding and repairs	186.9	197.2	203.1	212.4	215.1	175.0	180.6	186.7
Non-ferrous metal products	148.9	148.8	145.6	149.7	149.8	157.9	162.7	166.2
Brass and copper products ...	126.9	133.4	125.3	127.3	129.9	145.6	145.9	147.3
Smelting and refining	164.2	161.6	160.5	165.7	164.9	171.7	178.7	183.4
Electrical apparatus and supplies	212.9	223.5	216.2	212.6	212.9	225.8	227.7	227.7
Heavy electrical machinery ..	149.8	154.3	151.7	150.8	151.7	155.1	155.7	156.9
Telecommunication equipment	524.1	546.9	513.3	481.4	473.3	530.8	521.4	527.7
Refrigerators and appliances	198.4	221.6	228.6	219.4	218.3	227.0	240.3	237.7
Non-metallic mineral products	240.9	243.0	189.5	208.8	263.4	220.2	243.4	276.7
Concrete products	655.0	652.3	431.2	521.0	786.2	565.5	688.8	859.2
Hydraulic cement	241.9	246.0	148.5	206.3	286.2	179.5	254.8	310.9
Domestic clay products	148.1	136.7	103.9	117.7	144.1	126.3	146.0	160.4
ELECTRIC POWER AND GAS UTILITIES								
Electric power	337.7	367.4	380.0	363.7	351.5	427.8	419.7	374.2
Gas	313.1	339.2	332.4	328.5	329.1	377.8	370.5	349.2
	558.3	625.3	807.4	679.7	552.6	876.6	861.2	598.4

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1964

Seasonally adjusted non-agricultural output for the first quarter of 1964 showed an increase of over 3 per cent from the fourth quarter of 1963. It has thus increased by over 8 per cent since the first quarter of 1963 and by 21 per cent from its first quarter, 1961 cyclical trough. The industries comprising the Index of Industrial Production contributed substantially to the 1961 - 64 expansion, accounting for about 48 per cent of the increase, followed by trade with a 15 per cent contribution and transportation, storage and communication, which accounted for 11 per cent. The following is a comparison of percentage increases in non-agricultural output and the Index of Industrial Production over the course of recent cycles in real output.

Increase from trough to peak

	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'64(1)
	10 quarters	9 quarters	12 quarters
	per cent		
Total non-agricultural output	22.2	10.1	20.9
Index of Industrial Production	25.4	13.7	27.1

Increase from previous peak

	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'64(1)
	13 quarters	13 quarters	16 quarters
	per cent		
Total non-agricultural output	20.4	7.9	20.0
Index of Industrial Production	23.0	8.0	23.2

Some special factors affecting the economy during the fourth quarter were still at work during the opening months of 1964. The large export sales of grain, necessitating its transportation by rail and ship; the government programme for the stimulation of winter house - building which was operative during the last two quarters; the imminence of the second, and higher, stage of the tax on building materials which became effective as of April; and the high levels of automobile production, are among the most important of these special influences. Thus in many instances the strong upward movements evident in late 1963 were continued in the current year, with a slackening during March in some areas of production. The milder than average weather conditions in the first quarter may also have influenced output levels in some industries.

Among the major industry groupings, gains were widespread in the first quarter of 1964, ranging from a fractional increase in electric power and gas utilities to an almost 15 per cent gain in non-metallic mineral products. There were only a few declines: in the tobacco, petroleum and leather products components of manufacturing and in storage.

The most notable development in the quarter was the 9 per cent increase in construction which accounted for about one-fifth of the gain in non-agricultural output. Following upon a 6 1/2 per cent increase in the fourth quarter, this current gain brought construction to a level more than 8 per cent above its previous post-war high reached during the second quarter of 1958. The expansion in construction activity also stimulated production in related industries, as shown by the large gains in the output and sales of building materials during this period.

Production was still increasing during the first quarter.

Manufacturing, with a 3 1/2 per cent gain, continued to be the largest single contributor to the aggregate gain, accounting for over 30 per cent of the advance in non-agricultural output. For the second quarter in succession, durable manufacturing showed a particularly large gain (5 per cent versus 6 per cent in the preceding quarter). Increases of between 3 and 5 1/2 per cent were recorded by all major groups except electrical apparatus and supplies (+ 1 per cent) and non-metallic mineral products (+ 14 1/2 per cent). This last group, which accounted for over one quarter of the gain in durables, advanced largely as a result of the exceptional increases in the cement and concrete products industries. It is interesting to note that other industries which produce construction materials, for instance, wood products, and some components of iron and steel in durables, as well as roofing paper and paints and varnishes in non-durables, also showed very strong gains for the quarter. In many of these industries, however, output showed some declines in March. Motor vehicle production, which has increased by more than 120 per cent since the first quarter of 1961, advanced by 4 1/2 per cent in the first quarter. While still high, this is a smaller increase than that achieved during the preceding three months. Non-durable manufacturing advanced by 2 1/2 per cent, thus accounting for about one third of the total increase in manufacturing. About half of the increase in non-durables came from the foods and beverage component, while the 5 per cent gain in chemicals contributed another 29 per cent to the advance.

Trade was the second largest contributor to the expansion in non-agricultural output during the first quarter, accounting for about 20 per cent of the total gain, followed by construction and durable manufacturing. More than half of the increase in trade came from the wholesale component, which increased by 6 1/2 per cent. Retail trade showed a 3 per cent gain. At both the retail and the wholesale levels particularly sharp increases took place in the sales of lumber, building, and construction materials and industrial and transportation equipment. Together they accounted for a major part of the total expansion in trade.

Transportation, storage and communication expanded less rapidly than during the fourth quarter, with railway transport, shipping and communication jointly accounting for about three quarters of the 2 1/2 per cent gain in the first quarter. Railways and shipping were again affected by large wheat movements. It must be remembered that the increases in the output of these two industries, although smaller than during the preceding quarter, represent an advance from very high fourth quarter levels. Storage showed a drop in the first quarter, mainly as a result of a decline in receipts and shipments at grain elevators from an exceptionally high fourth quarter.

Mining showed a strong gain of over 6 per cent in the first quarter, following a 5 1/2 per cent increase in the fourth quarter of 1963. During most of 1962 and 1963 the increases had been relatively small. The major part of the first quarter increase in mining came from the metal mining component, which advanced by 11 1/2 per cent, about half of which was due to iron ore.

Public administration and defence increased by less than 1 per cent after a pause in the fourth quarter, while finance, insurance and real estate and the community, recreation, business and personal service group exhibited a slight slowdown in their rates of advance as compared with the previous quarter.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.6	167.9	133.0	175.2	160.6
2								
3								
4								
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.6	195.6	215.8	137.4	172.1	133.6	170.0	158.5
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
3 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
4 - 1	302.4	272.7	256.8	193.0	171.3	176.8	209.1	156.8
2								
3								
4								
	Without seasonal adjustment							
1	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
2	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
3	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
2 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
3 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
4 - 1	306.4	272.5	247.7	188.7	170.4	169.6	223.7	156.6
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
	Seasonally adjusted							
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
1964 - 1	231.0	284.0	197.2	390.6	206.5	194.8	235.0	185.0
2								
3								
4								
	Without seasonal adjustment							
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.9
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.0
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.2
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.4
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.4
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.2
1964 - 1	227.1	213.2	127.9	439.2	187.1	170.9	197.4	168.2
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- com- mercial indus- tries(1)	Index of Industrial Production
9 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
- 1	197.4	178.5	200.6	190.4	168.0	196.4	193.5	211.1
2								
3								
4								
Without seasonal adjustment								
1	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
2	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
3	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
2 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
3 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
4 - 1	196.1	154.0	196.7	184.3	163.4	182.4	189.6	207.4
2								
3								
4								

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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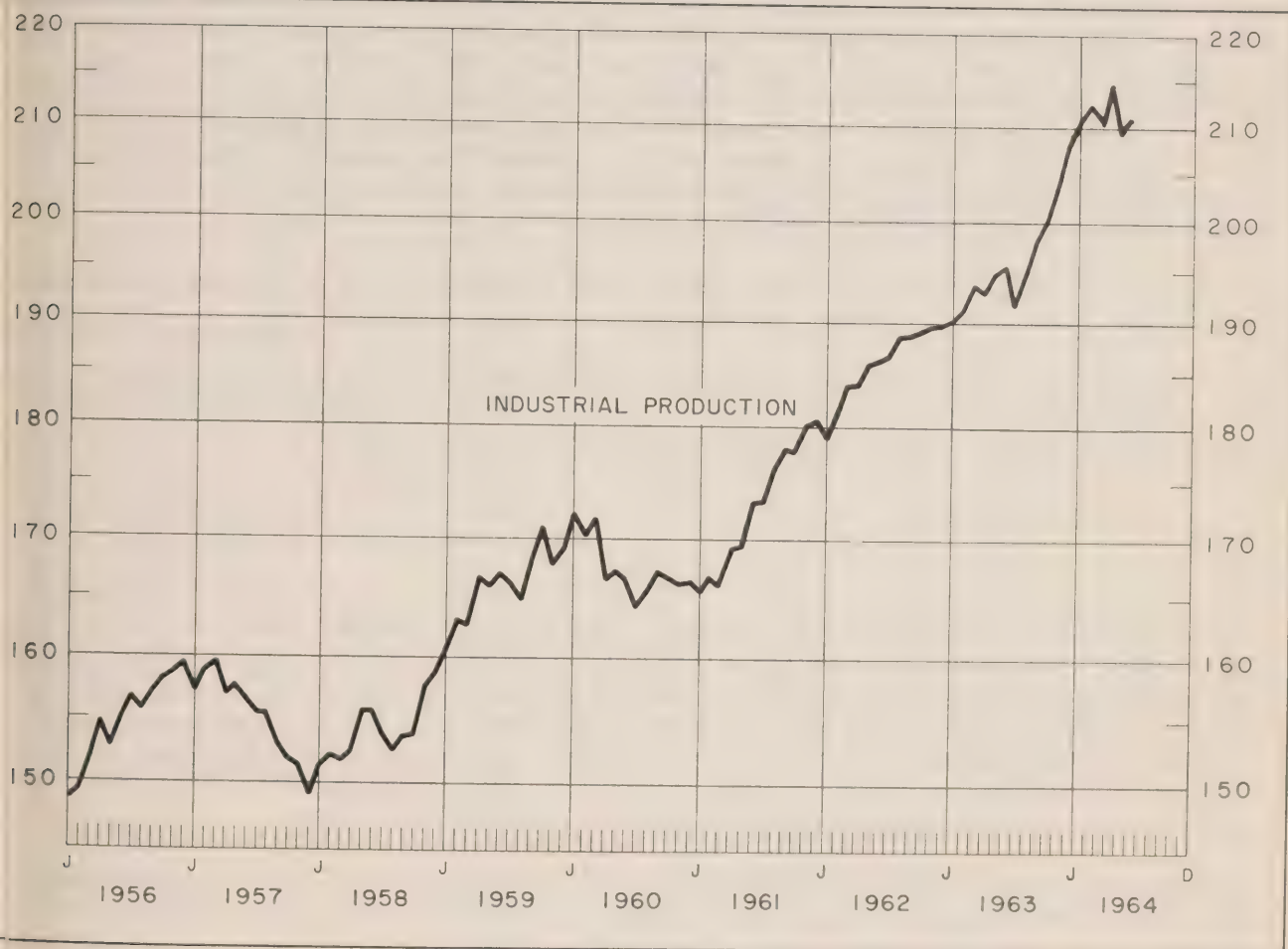
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Price: 20 cents, \$2.00 a year

INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JUNE 1964

The seasonally adjusted index of industrial production advanced by 0.8 per cent in June.



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (1st qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

August 1964
65-502

JUNE INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production registered a gain in June of 0.8%, as both mining and electric power and gas utilities moved higher, particularly the latter. In the current month, manufacturing output was unchanged from the revised May figure. This latest movement in the aggregate Index of Industrial Production left production lower by 1.8% than the 1964 peak registered in April, although higher by almost 10% in the year to date over the six month period of 1963.

In June, non-durable manufacturing was higher by 1.1%, with the bulk of the gain coming from a large increase in clothing output, although textiles, tobacco, rubber, petroleum refining and chemicals were up by from 2% to 4%. Foods and beverages, printing and publishing, and leather products were lower in the month.

In durables, a decline of more than 1% was recorded in June, with the biggest single contributor being an almost 7% decline in wood products, in part reflecting a labour dispute in British Columbia. In addition, iron and steel production fell by almost 3%, with both primary iron and steel and iron castings lower. After relatively large increases in April and May, electrical apparatus and supplies declined in June, due to lower telecommunication equipment and refrigerator and appliance output. An increase in motor vehicle production brought transportation equipment up by about 2% in June. Non-ferrous metal products and non-metallic mineral products each advanced by 3%.

After the relatively low May figure, both components of electricity and gas showed large increases in June.

The almost 2% gain in mining was concentrated in fuels, as both metals and non-metals were lower. Although all three components of fuel mining advanced, about three-quarters of the strength emanated from crude petroleum.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Product alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. Latest revisions to March 1964 data published in Tables 1 and 2 have not been incorporated in Table 3.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Jan.	Feb.	Mar.	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	210.8	212.3	210.2	214.7	209.2	210.8
MINING	3.245	2	335.2	324.9	317.3	321.0	321.0	326.9
Metals	1.925	2	223.7	226.7	216.8	221.7	215.6	212.7
Gold	0.624	5	87.7	88.3	91.3	92.7	89.7	89.2
Copper	0.356	4	189.1	181.8	184.5	185.4	187.1	184.6
Iron ore	0.099	3	891.3	1,017.0	1,055.5	1,009.5	948.5	808.2
Nickel	0.337	4	165.6	184.6	170.3	186.1	187.7	187.3
Non-metals	0.268	5	231.5	234.8	230.9	260.3	253.9	239.4
Asbestos	0.214	5	242.5	245.5	239.6	274.0	260.8	251.8
Fuels	0.915	3	571.8	530.5	526.4	533.0	552.5	582.2
Coal	0.553	6	52.3	52.8	57.1	57.3	53.4	63.1
Natural gas	0.035	2	1,169.6	1,216.0	1,245.0	1,355.5	1,400.6	1,436.8
Petroleum	0.327	3	1,384.9	1,263.6	1,241.7	1,248.1	1,304.2	1,367.1
MANUFACTURING, TOTAL	27.340	3	185.2	188.6	186.3	190.4	185.4	185.4
NON-DURABLE MANUFACTURES	14.742	3	179.7	184.2	180.1	185.5	180.9	182.9
Foods and beverages	3.814	4	171.8	180.0	170.3	174.9	172.0	169.7
Foods	2.896	4	168.5	173.1	166.7	170.1	167.4	165.9
Meat products	0.523	4	180.2	178.8	163.7	180.5	171.0	179.4
Dairy products	0.450	3	169.0	168.2	168.5	169.0	177.7	163.0
Canning and processing	0.453	4	164.0	197.9	192.3	190.2	187.3	177.9
Grain mill products	0.322	4	194.3	192.3	190.3	184.4	183.0	179.4
Bakery products	0.558	3	143.1	143.2	141.9	143.3	142.5	141.3
Miscellaneous foods	0.590	4	171.0	170.5	158.9	163.8	156.3	163.1
Beverages	0.918	6	182.1	201.9	181.5	190.2	186.6	181.4
Carbonated beverages	0.231	6	171.7	196.0	177.3	196.9	176.5	168.3
Breweries	0.463	6	158.9	183.1	176.9	164.9	164.0	166.0
Distilleries	0.203	6	248.3	257.3	200.1	245.0	255.2	235.7
Tobacco and tobacco products ..	0.248	6	209.2	199.5	178.8	213.6	209.5	216.9
Rubber products	0.430	3	201.1	226.4	209.2	229.5	209.6	217.7
Leather products	0.508	2	125.1	132.4	125.0	131.7	134.5	128.8
Boots and shoes	0.307	4	131.1	141.3	131.4	140.8	142.4	136.7
Textiles	1.623	3	168.1	167.8	167.7	181.2	169.5	173.4
Cotton goods	0.507	4	117.4	121.0	108.3	132.9	116.3	120.7
Wool goods	0.300	3	104.5	94.3	93.0	99.7	96.0	81.7
Synthetic Textiles and Silk	0.429	3	283.3	283.7	299.3	316.2	294.8	315.5
Clothing	1.801	3	132.3	135.4	131.2	130.8	121.1	136.4
Paper products	2.649	3	172.8	176.3	176.4	180.9	173.9	174.6
Pulp and paper	2.108	3	171.6	172.8	174.9	183.0	175.4	175.9

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Jan.	Feb.	Mar.	Apr.	May	June
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	162.0	159.7	160.0	172.6	174.6	168.7
Products of petroleum and coal	0.513	3	299.7	308.9	298.4	305.1	296.4	302.3
Petroleum products	0.454	3	323.0	334.2	322.6	330.3	320.2	
Chemicals and allied products	1.359	2	269.3	273.1	275.6	267.9	271.1	276.3
Acids, alkalies, salts and fertilizers	0.346	2	303.8	310.7	304.2	320.2	321.8	334.3
Miscellaneous manufactures	0.524	1	252.3	258.2	259.5	258.4	261.3	264.2
DURABLE MANUFACTURES	12.598	3	191.6	193.8	193.6	196.1	190.6	188.3
Wood products	2.108	2	173.1	171.3	169.2	173.9	165.6	154.6
Saw and planing mills	1.444	3	191.1	187.5	184.1	191.4	179.6	164.0
Veneers and plywoods	0.122	3	415.0	391.0	401.5	408.2	376.3	374.1
Sawmills	0.994	4	178.9	176.2	170.7	181.6	170.3	149.4
Furniture	0.460	2	156.6	158.7	159.9	159.2	158.9	158.0
Iron and steel products	4.026	2	176.2	176.5	177.9	184.2	180.2	175.4
Machinery	0.851	1	167.6	171.1	172.4	174.4	176.0	176.4
Iron castings	0.387	3	177.6	170.1	157.4	186.0	198.1	178.7
Primary iron and steel	0.845	2	240.7	233.9	241.6	255.4	243.8	236.9
Sheet metal products	0.359	1	161.8	164.9	165.5	163.2	157.0	152.2
Transportation equipment	2.651	4	207.4	208.2	211.8	205.9	197.8	202.6
Aircraft and parts	0.203	1	261.7	259.7	260.4	266.9	270.8	269.7
Motor vehicles	1.035	4	299.4	304.5	318.0	302.2	278.5	287.9
Motor vehicle parts	0.462	2	216.9	215.4	211.9	211.7	212.8	217.2
Railway rolling stock	0.621	1	44.7	46.1	46.9	46.6	47.1	47.9
Shipbuilding and repairs	0.261	1	195.4	184.4	174.0	173.2	179.0	182.0
Non-ferrous metal products	1.601	3	153.3	157.8	159.0	161.7	160.3	165.2
Brass and copper products ...	0.241	1	144.0	147.6	148.3	147.9	150.8	153.3
Smelting and refining	1.028	3	163.6	169.9	171.4	175.5	172.5	179.6
Electrical apparatus and supplies	1.418	2	232.9	229.9	230.2	237.3	240.0	229.9
Heavy electrical machinery ..	0.489	1	156.7	158.8	161.1	162.6	162.5	161.3
Telecommunication equipment	0.142	3	590.9	550.7	538.9	578.7	599.3	537.0
Refrigerators and appliances	0.227	3	218.7	220.8	216.6	231.5	241.6	218.1
Non-metallic mineral products	0.794	2	269.3	301.6	280.8	279.0	258.4	266.6
Concrete products	0.098	4	890.8	998.2	819.6	832.9	740.7	781.1
Hydraulic cement	0.117	5	228.2	309.1	284.9	310.0	270.5	288.8
Domestic clay products	0.083	3	126.2	149.3	166.2	167.2	151.5	129.9
ELECTRIC POWER AND GAS UTILITIES	1.646	2	391.2	384.3	396.4	409.3	384.5	403.5
Electric power	1.480	2	360.0	360.5	367.9	370.1	351.7	360.1
Gas	0.166	3	670.7	598.1	652.2	760.8	678.5	792.9

TABLE 2. Index of Industrial Production

(1949=100)

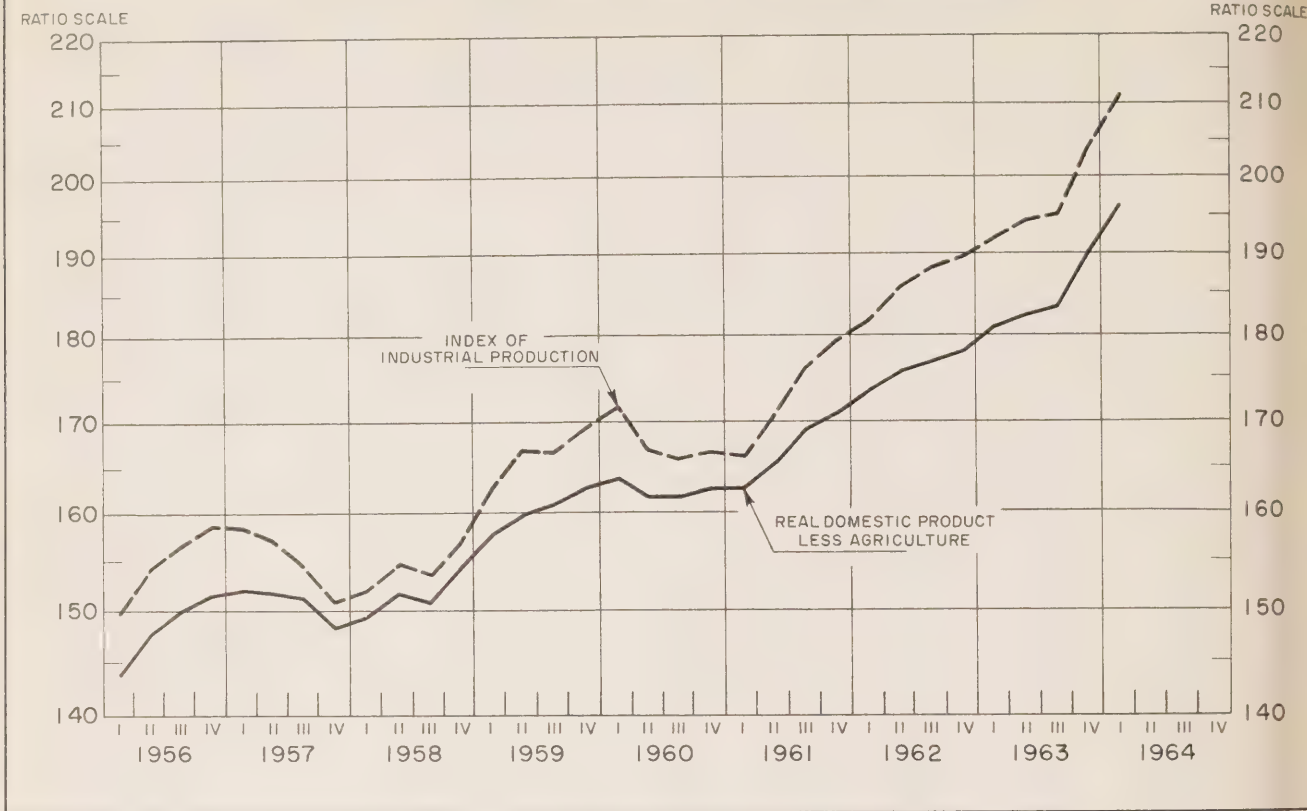
Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Apr.	May	June	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	189.3	197.2	203.6	211.6	212.8	219.7
MINING	287.4	294.4	272.6	296.2	304.0	303.9	322.5	336.2
Metals	197.7	193.8	190.4	205.7	211.1	215.6	221.2	235.8
Gold	100.1	95.5	98.0	99.0	99.3	95.9	88.8	89.2
Copper	176.7	174.0	169.0	164.9	187.0	176.9	180.9	198.3
Iron ore	632.5	670.8	540.3	831.3	886.4	736.9	1,043.3	1,074.9
Nickel	184.2	171.0	188.3	184.1	167.2	185.6	193.0	182.1
Non-metals	222.5	228.1	207.1	234.9	231.5	256.7	258.6	251.5
Asbestos	234.1	239.1	223.6	242.6	231.7	272.1	264.5	257.1
Fuels	480.8	513.6	462.1	482.5	494.0	498.5	533.8	544.8
Coal	48.8	52.0	47.8	49.3	43.8	51.6	48.8	52.4
Natural gas	1,005.7	1,179.8	1,149.1	1,060.5	993.6	1,382.6	1,253.5	1,179.6
Petroleum	1,154.0	1,221.6	1,088.0	1,152.1	1,200.6	1,158.2	1,275.5	1,308.3
MANUFACTURING, TOTAL	164.9	173.9	168.9	176.2	184.0	188.1	190.0	197.0
NON-DURABLE MANUFACTURES	164.8	172.2	165.8	171.4	178.2	181.8	181.1	188.8
Food and beverages	158.9	162.1	146.8	159.0	178.7	159.0	170.4	185.9
Food	154.8	157.2	140.0	151.7	165.8	151.8	162.9	175.3
Meat products	159.2	163.6	160.6	164.7	158.2	181.0	172.7	175.5
Dairy products	159.3	163.5	158.7	172.9	212.3	166.0	190.0	212.4
Canning and processing	164.7	165.4	86.8	132.7	177.2	92.6	141.2	177.8
Grain mill products	137.5	145.9	135.4	139.9	148.2	177.6	181.6	182.6
Bakery products	145.4	138.8	135.0	139.2	145.5	139.0	142.9	149.0
Miscellaneous foods	158.3	164.3	155.3	157.1	157.5	158.5	159.1	166.0
Beverages	171.9	177.6	168.3	182.0	219.0	181.9	194.1	219.4
Carbonated beverages	173.0	178.7	167.7	179.4	231.5	173.5	181.6	214.2
Breweries	156.3	159.9	168.1	173.2	207.3	179.3	185.5	213.3
Distilleries	210.0	220.3	175.9	211.5	241.5	205.1	236.6	249.8
Tobacco and tobacco products	203.7	207.7	210.6	223.7	238.8	211.5	218.3	249.9
Rubber products	167.6	190.5	183.3	193.5	225.4	227.7	213.2	250.3
Leather products	126.7	127.0	129.5	123.2	129.9	136.6	131.7	131.1
Boots and shoes	137.7	136.9	141.3	132.6	138.5	149.3	141.0	139.4
Textiles	146.6	159.5	155.8	159.8	169.5	183.3	171.6	185.2
Cotton goods	105.3	109.6	109.0	106.2	114.2	139.0	118.9	120.7
Wool goods	84.9	89.8	72.3	93.4	107.6	100.5	93.1	95.0
Synthetic textiles and silk	243.6	281.0	283.6	285.2	301.3	320.0	303.6	350.5
Clothing	111.0	137.0(1)	135.0	124.3	113.5	128.7	110.9	112.5
Paper products	159.1	164.3	159.4	167.1	166.5	179.8	176.0	178.4
Pulp and paper	158.6	163.8	159.6	167.4	164.5	183.0	178.2	178.4

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Apr.	May	June	Apr.	May	June
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	157.8	160.0	158.3	174.5	180.3	169.1
Products of petroleum and coal	272.8	296.0	275.9	273.0	281.6	283.3	279.7	289.0
Petroleum products	294.3	319.7	296.8	293.7	303.3	305.5	301.0	
Chemicals and allied products	233.2	249.1	249.5	261.5	266.9	282.6	284.7	288.8
Acids, alkalies, salts and fertilizers	266.0	302.0	311.8	325.5	318.6	356.1	352.7	334.3
Miscellaneous manufactures	237.2	246.6	237.6	241.6	245.5	249.4	254.0	261.0
DURABLE MANUFACTURES	165.0	175.9	172.6	181.9	190.7	195.6	200.4	206.5
Wood products	151.5	159.0	142.1	157.2	179.2	158.4	165.1	173.6
Saw and planing mills	161.1	172.1	150.4	171.5	202.6	171.7	180.8	192.0
Veneers and plywoods	329.8	358.8	356.2	356.6	363.9	424.9	391.7	395.0
Sawmills	149.6	162.3	135.0	164.5	205.2	155.3	172.7	185.8
Furniture	152.5	153.0	145.2	146.5	148.5	150.9	152.7	155.0
Iron and steel products	152.1	161.8	159.7	166.6	173.5	182.9	186.7	189.0
Machinery	149.1	160.2	157.0	160.0	162.0	171.3	174.9	176.8
Iron castings	135.5	151.1	165.5	165.2	182.0	198.5	217.1	212.7
Primary iron and steel	193.0	216.9	213.5	225.5	230.7	257.2	258.4	255.8
Sheet metal products	157.3	156.9	152.2	157.9	166.0	154.9	155.6	161.3
Transportation equipment	156.7	181.4	197.8	203.1	208.3	234.2	235.0	238.9
Aircraft and parts	260.0	233.8	225.9	227.6	227.3	265.0	269.4	270.0
Motor vehicles	206.9	257.6	299.0	308.4	324.5	368.7	364.2	374.3
Motor vehicle parts	146.6	179.5	178.6	184.8	181.0	222.3	227.9	223.9
Railway rolling stock	41.5	41.1	38.7	39.0	40.0	45.5	46.5	48.0
Shipbuilding and repairs	186.9	197.2	212.4	215.1	208.6	180.6	190.1	193.7
Non-ferrous metal products	148.9	148.8	149.7	149.8	147.2	162.8	161.9	164.8
Brass and copper products ...	126.9	133.4	127.3	129.9	133.3	146.4	150.3	154.7
Smelting and refining	164.2	161.6	165.7	164.9	159.2	178.7	176.0	178.7
Electrical apparatus and supplies	212.9	223.5	212.6	212.9	223.9	227.3	228.6	231.3
Heavy electrical machinery ..	149.8	154.3	150.8	151.7	155.2	156.7	158.4	161.8
Telecommunication equipment	524.1	546.9	481.4	473.3	521.8	517.4	520.2	516.0
Refrigerators and appliances	198.4	221.6	219.4	218.3	241.1	238.2	240.9	239.0
Non-metallic mineral products	240.9	243.0	208.8	263.4	278.0	239.5	275.8	314.0
Concrete products	655.0	652.3	521.0	786.2	784.3	688.8	859.2	994.0
Hydraulic cement	241.9	246.0	206.3	286.2	335.4	254.8	310.8	400.0
Domestic clay products	148.1	136.7	117.7	144.1	171.5	146.0	160.4	155.0
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	363.7	351.5	332.3	419.7	374.2	368.0
Electric power	313.1	339.2	328.5	329.1	318.6	370.5	349.2	346.0
Gas	558.3	620.1	679.7	552.6	455.2	861.2	598.4	569.0

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1964

Seasonally adjusted non-agricultural output for the first quarter of 1964 showed an increase of over 3 per cent from the fourth quarter of 1963. It has thus increased by over 8 per cent since the first quarter of 1963 and by 21 per cent from its first quarter, 1961 cyclical trough. The industries comprising the Index of Industrial Production contributed substantially to the 1961 - 64 expansion, accounting for about 48 per cent of the increase, followed by trade with a 15 per cent contribution and transportation, storage and communication, which accounted for 11 per cent. The following is a comparison of percentage increases in non-agricultural output and the Index of Industrial Production over the course of recent cycles in real output.

Increase from trough to peak

	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'64(1)
	10 quarters	9 quarters	12 quarters
	per cent		
Non-agricultural output	22.2	10.1	20.9
Index of Industrial Production	25.4	13.7	27.1

Increase from previous peak

	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'64(1)
	13 quarters	13 quarters	16 quarters
	per cent		
Non-agricultural output	20.4	7.9	20.0
Index of Industrial Production	23.0	8.0	23.2

Some special factors affecting the economy during the fourth quarter were still at work during the opening months of 1964. The large export sales of grain, necessitating its transportation by rail and ship; the government programme for the stimulation of winter house - building which was operative during the last two quarters; the imminence of the second, and higher, stage of the tax on building materials which became effective as of April; and the high levels of automobile production, are among the most important of these special influences. Thus in many instances the strong upward movements evident in late 1963 were continued in the current year, with a slackening during March in some areas of production. The milder than average weather conditions in the first quarter may also have influenced output levels in some industries.

Among the major industry groupings, gains were widespread in the first quarter of 1964, ranging from a fractional increase in electric power and gas utilities to an almost 15 per cent gain in non-metallic mineral products. There were only a few declines: in the tobacco, petroleum and leather products components of manufacturing and in storage.

The most notable development in the quarter was the 9 per cent increase in construction which accounted for about one-fifth of the gain in non-agricultural output. Following upon a 6 1/2 per cent increase in the fourth quarter, this current gain brought construction to a level more than 8 per cent above its previous post-war high reached during the second quarter of 1958. The expansion in construction activity also stimulated production in related industries, as shown by the large gains in the output and cost of building materials during this period.

Production was still increasing during the first quarter.

Manufacturing, with a 3 1/2 per cent gain, continued to be the largest single contributor to the aggregate gain, accounting for over 30 per cent of the advance in non-agricultural output. For the second quarter in succession, durable manufacturing showed a particularly large gain (5 per cent versus 6 per cent in the preceding quarter). Increases of between 3 and 5 1/2 per cent were recorded by all major groups except electrical apparatus and supplies (+ 1 per cent) and non-metallic mineral products (+ 14 1/2 per cent). This last group, which accounted for over one quarter of the gain in durables, advanced largely as a result of the exceptional increases in the cement and concrete products industries. It is interesting to note that other industries which produce construction materials, for instance, wood products, and some components of iron and steel in durables, as well as roofing paper and paints and varnishes in non-durables, also showed very strong gains for the quarter. In many of these industries, however, output showed some declines in March. Motor vehicle production, which has increased by more than 120 per cent since the first quarter of 1961, advanced by 4 1/2 per cent in the first quarter. While still high, this is a smaller increase than that achieved during the preceding three months. Non-durable manufacturing advanced by 2 1/2 per cent, thus accounting for about one third of the total increase in manufacturing. About half of the increase in non-durables came from the foods and beverage component, while the 5 per cent gain in chemicals contributed another 29 per cent to the advance.

Trade was the second largest contributor to the expansion in non-agricultural output during the first quarter, accounting for about 20 per cent of the total gain, followed by construction and durable manufacturing. More than half of the increase in trade came from the wholesale component, which increased by 6 1/2 per cent. Retail trade showed a 3 per cent gain. At both the retail and the wholesale levels particularly sharp increases took place in the sales of lumber, building, and construction materials and industrial and transportation equipment. Together they accounted for a major part of the total expansion in trade.

Transportation, storage and communication expanded less rapidly than during the fourth quarter with railway transport, shipping and communication jointly accounting for about three quarters of the 2 1/2 per cent gain in the first quarter. Railways and shipping were again affected by large wheat movements. It must be remembered that the increases in the output of these two industries, although smaller than during the preceding quarter, represent an advance from very high fourth quarter levels. Storage showed a drop in the first quarter, mainly as a result of a decline in receipts and shipments at grain elevators from an exceptionally high fourth quarter.

Mining showed a strong gain of over 6 per cent in the first quarter, following a 5 1/2 per cent increase in the fourth quarter of 1963. During most of 1962 and 1963 the increases had been relatively small. The major part of the first quarter increase in mining came from the metal mining component, which advanced by 11 1/2 per cent, about half of which was due to iron ore.

Public administration and defence increased by less than 1 per cent after a pause in the fourth quarter, while finance, insurance and real estate and the community, recreation, business and personal service group exhibited a slight slowdown in their rates of advance as compared with the previous quarter.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.6	167.9	133.0	175.2	160.6
2								
3								
4								
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.6	195.6	215.8	137.4	172.1	133.6	170.0	158.5
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
- 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
- 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
- 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
- 1	302.4	272.7	256.8	193.0	171.3	176.8	209.1	156.8
2								
3								
4								
	Without seasonal adjustment							
.....	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
.....	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
.....	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
- 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
- 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
- 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
- 1	306.4	272.5	247.7	188.7	170.4	169.6	223.7	156.6
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
	Seasonally adjusted							
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.1
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.7
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.1
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.1
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.1
1964 - 1	231.0	284.0	197.2	390.6	206.5	194.8	235.0	185.1
2								
3								
4								
	Without seasonal adjustment							
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.1
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.7
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.1
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.1
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.1
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.1
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.1
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.1
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.1
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.1
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.1
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.1
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.1
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.1
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.1
1964 - 1	227.1	213.2	127.9	439.2	187.1	170.9	197.4	168.1
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- com- mercial indus- tries(1)	Index of Industrial Production
99 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	197.4	178.5	200.6	190.4	168.0	196.4	193.5	211.1
2								
3								
4								
Without seasonal adjustment								
1	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
2	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
3	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
2 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
3 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
4 - 1	196.1	154.0	196.7	184.3	163.4	182.4	189.6	207.4
2								
3								
4								

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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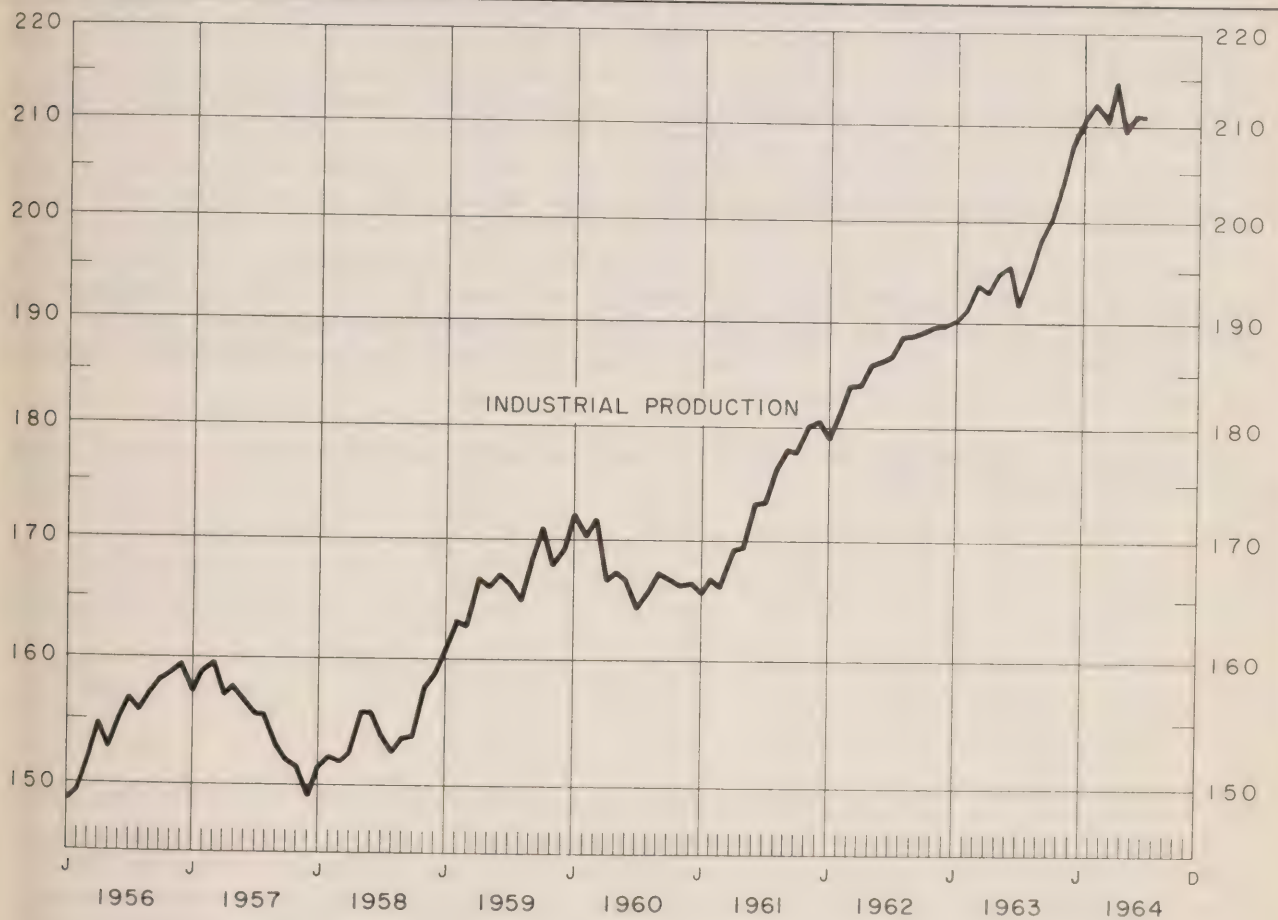
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JULY 1964

The seasonally adjusted index of industrial production was virtually unchanged in July.



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (2nd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

September
205-502

JULY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was virtually unchanged in July from the revised June level of 211.2. A decline in mining production of 3.1% offset a slight increase of 0.2% in manufacturing together with a gain of almost 3% in electric power and gas utilities. With this latest monthly movement, the Index of Industrial Production is higher in the January to July period of 1964 by 9% than the same period last year.

Almost two-thirds of the decline in mining originated in its other metals component showing the effects of curtailment in uranium production. Nickel, zinc and lead also showed declines in July, while gold, iron ore and copper moved higher. Fuels fell by 2% in July, largely due to a drop in coal production from the high June level, although crude petroleum was also lower. With asbestos higher in July, non-metal mining gained almost 6%.

The slight increase in manufacturing in July consisted of a strong gain of 1.8% in durables being mostly offset by a 1.3% drop in non-durables. The bulk of the gain in durables arose in iron and steel products, wood products and transportation equipment. Within these groups, the industries particularly responsible for the increases were iron castings, primary iron and steel, sawmills and motor vehicles and parts. Electrical apparatus and supplies also gained in July, with refrigerators and appliances the big contributor. Non-metallic mineral products increased slightly in July, while non-ferrous metal products dropped by 2%, due to smelting and refining.

The biggest single contributor to the decline in non-durables, accounting for almost 40% of it, was printing and publishing, at least in part due to labour trouble in the industry. However, in addition, rubber, chemicals and petroleum products also showed relatively large drops. The most significant gain occurred in paper products due to 2% gain in pulp and paper output.

The gain in the output of utilities was concentrated in electric power, which showed a more than 4% advance.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.

TABLE 1. Index of Industrial Production

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Feb.	Mar.	Apr.	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	212.3	210.2	214.7	209.4	211.2	211.0
MINING, TOTAL	3.245	2	324.9	317.3	321.0	321.1	328.7	318.6
Metals	1.925	2	226.7	216.8	221.7	215.7	212.9	200.0
Gold	0.624	5	88.3	91.3	92.7	89.8	89.3	93.4
Copper	0.356	4	181.8	184.5	185.4	187.1	184.6	186.5
Iron ore	0.099	3	1,017.0	1,055.5	1,009.5	948.5	810.0	815.3
Nickel	0.337	4	184.6	170.3	186.1	187.7	187.3	172.6
Non-metals	0.268	5	234.8	230.9	260.3	253.9	244.6	259.1
Asbestos	0.214	5	245.5	239.6	274.0	260.8	258.3	275.3
Fuels	0.915	3	530.5	526.4	533.0	552.5	582.7	570.8
Coal	0.553	6	52.8	57.1	57.3	53.4	63.9	51.5
Natural gas	0.035	2	1,216.0	1,245.0	1,355.5	1,400.6	1,436.8	1,486.0
Petroleum	0.327	3	1,263.6	1,241.7	1,248.1	1,304.2	1,367.1	1,349.5
MANUFACTURING, TOTAL	27.340	3	188.6	186.3	190.4	185.6	185.7	186.0
NON-DURABLE MANUFACTURES	14.742	3	184.2	180.1	185.5	180.9	183.3	180.9
Foods and beverages	3.814	4	180.0	170.3	174.9	172.0	169.7	169.7
Foods	2.896	4	173.1	166.7	170.1	167.4	166.1	165.2
Meat products	0.523	4	178.8	163.7	180.5	171.0	179.4	178.7
Dairy products	0.450	3	168.2	168.5	169.0	177.9	163.5	165.6
Canning and processing	0.453	4	197.9	192.3	190.2	187.3	176.8	166.2
Grain mill products	0.322	4	192.3	190.3	184.4	182.7	179.7	175.8
Bakery products	0.558	3	143.2	141.9	143.3	142.3	142.0	145.8
Miscellaneous foods	0.590	4	170.5	158.9	163.8	156.5	163.3	164.6
Beverages	0.918	6	201.9	181.5	190.2	186.6	181.3	184.2
Carbonated beverages	0.231	6	196.0	177.3	196.9	176.5	168.3	186.6
Breweries	0.463	6	183.1	176.9	164.9	164.0	166.0	162.6
Distilleries	0.203	6	257.3	200.1	245.0	255.2	235.7	235.3
Tobacco and tobacco products ..	0.248	6	199.5	178.8	213.6	209.5	216.9	211.1
Rubber products	0.430	3	226.4	209.2	229.5	209.6	217.7	196.4
Leather products	0.508	2	132.4	125.0	131.7	134.5	129.0	132.2
Boots and shoes	0.307	4	141.3	131.4	140.8	142.4	136.7	
Textiles	1.623	3	167.8	167.7	181.2	169.4	170.5	169.6
Cotton goods	0.507	4	121.0	108.3	132.9	116.3	120.7	121.2
Wool goods	0.300	3	94.3	93.0	99.7	96.0	81.7	88.5
Synthetic Textiles and Silk	0.429	3	283.7	299.3	316.2	294.8	304.9	297.6
Clothing	1.801	3	135.4	131.2	130.8	121.1	135.8	135.6
Paper products	2.649	3	176.3	176.4	180.9	173.9	174.6	177.4
Pulp and paper	2.108	3	172.8	174.9	183.0	175.4	175.9	179.6

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Feb.	Mar.	Apr.	May	June	July
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	159.7	160.0	172.6	174.6	168.8	158.4
Products of petroleum and coal	0.513	3	308.9	298.4	305.1	296.4	322.2	308.7
Petroleum products	0.454	3	334.2	322.6	330.3	320.2	349.5	334.7
Chemicals and allied products	1.359	2	273.1	275.6	267.9	271.1	276.6	268.3
Acids, alkalis, salts and fertilizers	0.346	2	310.7	304.2	320.2	321.8	334.3	323.4
Miscellaneous manufactures	0.524	1	258.2	259.5	258.4	261.3	263.9	263.5
DURABLE MANUFACTURES	12.598	3	193.8	193.6	196.1	191.0	188.5	191.9
Wood products	2.108	2	171.3	169.2	173.9	165.6	154.3	160.7
Saw and planing mills	1.444	3	187.5	184.1	191.4	179.6	163.8	173.6
Veneers and plywoods	0.122	3	391.0	401.5	408.2	376.3	374.1	394.0
Sawmills	0.994	4	176.2	170.7	181.6	170.3	149.4	161.4
Furniture	0.460	2	158.7	159.9	159.2	159.1	157.2	155.6
Iron and steel products	4.026	2	176.5	177.9	184.2	181.7	176.1	180.3
Machinery	0.851	1	171.1	172.4	174.4	175.8	179.1	181.9
Iron castings	0.387	3	170.1	157.4	186.0	198.1	178.7	199.4
Primary iron and steel	0.845	2	233.9	241.6	255.4	243.8	236.9	239.3
Sheet metal products	0.359	1	164.9	165.5	163.2	161.4	158.7	156.4
Transportation equipment	2.651	4	208.2	211.8	205.9	197.8	203.0	207.4
Aircraft and parts	0.203	1	259.7	260.4	266.9	271.0	275.8	282.2
Motor vehicles	1.035	4	304.5	318.0	302.2	278.5	287.9	293.4
Motor vehicle parts	0.462	2	215.4	211.9	211.7	212.7	216.6	225.7
Railway rolling stock	0.621	1	46.1	46.9	46.6	46.9	47.7	47.5
Shipbuilding and repairs	0.261	1	184.4	174.0	173.2	179.1	184.4	186.1
Non-ferrous metal products	1.601	3	157.8	159.0	161.7	160.3	164.7	161.5
Brass and copper products ...	0.241	1	147.6	148.3	147.9	150.8	152.7	153.2
Smelting and refining	1.028	3	169.9	171.4	175.5	172.5	179.6	174.1
Electrical apparatus and supplies	1.418	2	229.9	230.2	237.3	239.2	233.4	237.1
Heavy electrical machinery ..	0.489	1	158.8	161.1	162.6	162.5	160.0	159.1
Telecommunication equipment	0.142	3	550.7	538.9	578.7	599.3	537.0	543.0
Refrigerators and appliances	0.227	3	220.8	216.6	231.5	236.7	227.7	240.4
Non-metallic mineral products	0.794	2	301.6	280.8	279.0	258.2	261.2	262.4
Concrete products	0.098	4	998.2	819.6	832.9	740.7	781.1	781.1
Hydraulic cement	0.117	5	309.1	284.9	310.0	270.5	252.5	262.2
Domestic clay products	0.083	3	149.3	166.2	167.2	151.5	135.1	
ELECTRIC POWER AND GAS UTILITIES	1.646	2	384.3	396.4	409.3	384.5	403.5	414.4
Electric power	1.480	2	360.5	367.9	370.1	351.7	360.1	375.5
Gas	0.166	3	598.1	652.2	760.8	678.5	792.9	763.3

TABLE 2. Index of Industrial Production

(1949=100)

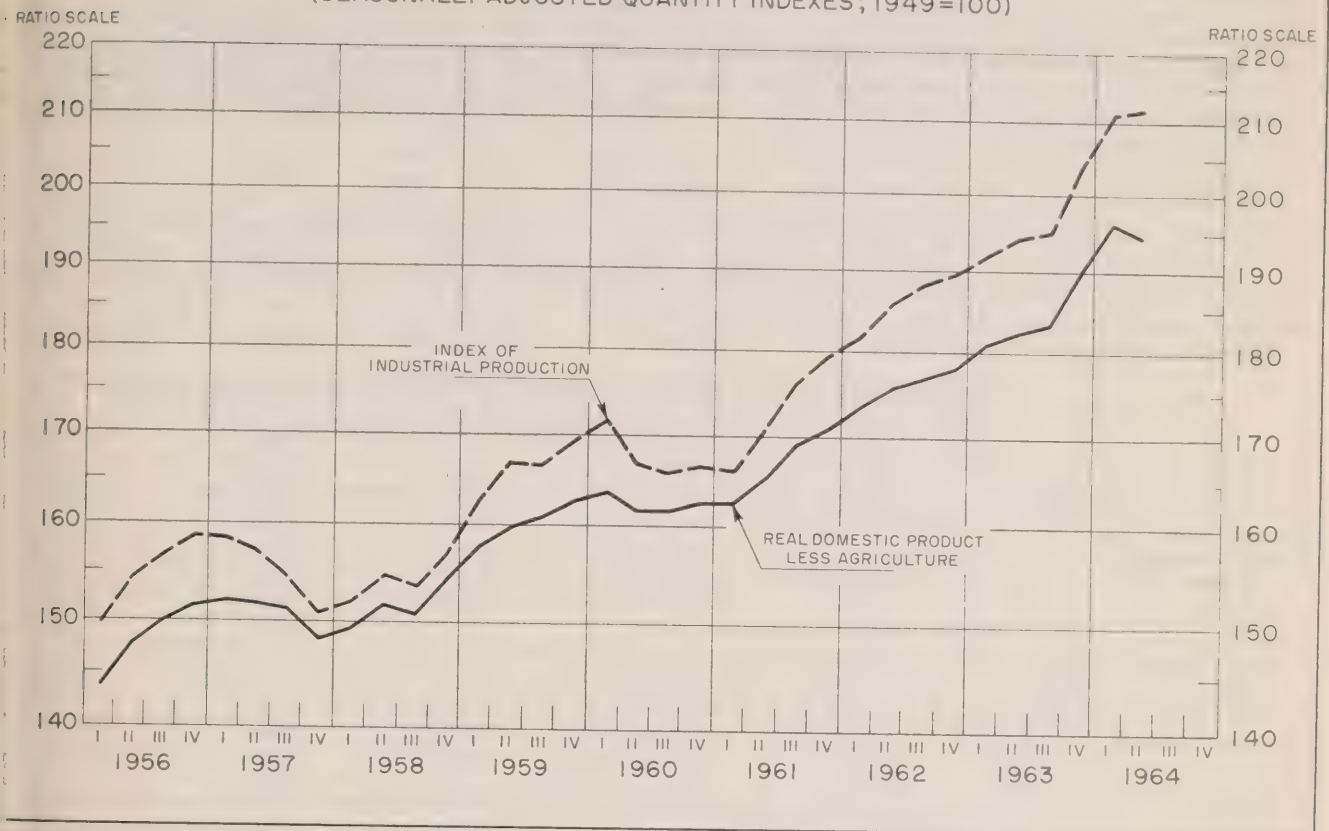
Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	May	June	July	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	197.2	203.6	183.0	212.8	220.0	197.6
MINING, TOTAL	287.4	294.4	296.2	304.0	280.7	322.5	338.8	315.8
Metals	197.7	193.8	205.7	211.1	182.3	221.2	236.0	203.6
Gold	100.1	95.5	99.0	99.3	87.1	88.9	89.3	90.1
Copper	176.7	174.0	164.9	187.0	162.5	180.9	198.3	183.0
Iron ore	632.5	670.8	831.3	886.4	737.7	1,043.3	1,077.3	986.5
Nickel	184.2	171.0	184.1	167.2	133.7	193.0	182.1	162.1
Non-metals	222.5	228.1	234.9	231.5	201.2	258.6	256.7	235.8
Asbestos	234.1	239.1	242.6	231.7	206.0	264.5	263.7	242.8
Fuels	480.8	513.6	482.5	494.0	481.9	533.8	546.6	541.2
Coal	48.8	52.0	49.3	43.8	44.1	48.8	55.3	45.7
Natural gas	1,005.7	1,179.8	1,060.5	993.6	971.3	1,253.5	1,179.6	1,157.6
Petroleum	1,154.0	1,221.6	1,152.1	1,200.6	1,168.8	1,275.5	1,308.3	1,311.7
MANUFACTURING, TOTAL	164.9	173.9	176.2	184.0	163.5	190.0	196.9	174.4
NON-DURABLE MANUFACTURES	164.8	172.2	171.4	178.2	162.1	181.1	189.1	171.6
Foods and beverages	158.9	162.1	159.0	178.7	167.4	170.4	186.0	181.2
Foods	154.8	157.2	151.7	165.8	160.6	162.9	175.5	177.8
Meat products	159.2	163.6	164.7	158.2	148.5	172.7	175.5	166.2
Dairy products	159.3	163.5	172.9	212.3	190.7	190.2	213.0	194.1
Canning and processing	164.7	165.4	132.7	177.2	206.3	141.2	176.9	255.0
Grain mill products	137.5	145.9	139.9	148.2	131.0	181.3	182.9	172.2
Bakery products	145.4	138.8	139.2	145.5	145.9	142.7	149.7	152.6
Miscellaneous foods	158.3	164.3	157.1	157.5	143.2	159.3	166.1	143.4
Beverages	171.9	177.6	182.0	219.0	189.1	194.1	219.3	192.0
Carbonated beverages	173.0	178.7	179.4	231.5	229.8	181.6	214.2	244.5
Breweries	156.3	159.9	173.2	207.3	199.2	185.5	213.3	196.8
Distilleries	210.0	220.3	211.5	241.5	127.3	236.6	249.8	129.4
Tobacco and tobacco products	203.7	207.7	223.7	238.8	169.8	218.3	249.9	166.1
Rubber products	167.6	190.5	193.5	225.4	155.3	213.2	250.3	168.5
Leather products	126.7	127.0	123.2	129.9	88.2	131.7	131.4	97.5
Boots and shoes	137.7	136.9	132.6	138.5	88.5	141.0	139.4	
Textiles	146.6	159.5	159.8	169.5	119.6	171.6	181.9	134.3
Cotton goods	105.3	109.6	106.2	114.2	70.8	118.9	120.7	81.1
Wool goods	84.9	89.8	93.4	107.6	72.6	93.1	95.0	73.1
Synthetic textiles and silk	243.6	281.0	285.2	301.3	190.2	303.6	338.7	223.2
Clothing	111.0	137.0(1)	124.3	113.5	115.8	110.9	112.0	115.3
Paper products	159.1	164.3	167.1	166.5	159.7	176.0	178.4	173.3
Pulp and paper	158.6	163.8	167.4	164.5	156.0	178.2	178.4	172.1

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	May	June	July	May	June	July
NON-DURABLE MANUFACTURES - Concluded:								
Printing, publishing and allied industries	154.0	156.7	160.0	158.3	147.3	180.3	169.2	150.0
Products of petroleum and coal	272.8	296.0	273.0	281.6	297.8	279.7	307.9	303.0
Petroleum products	294.3	319.7	293.7	303.3	321.7	301.0	332.7	328.0
Chemicals and allied products	233.2	249.1	261.5	266.9	245.7	284.7	288.6	249.0
Acids, alkalies, salts and fertilizers	266.0	302.0	325.5	318.6	309.9	352.7	334.3	265.0
Miscellaneous manufactures	237.2	246.6	241.6	245.5	245.4	254.0	260.7	260.0
DURABLE MANUFACTURES	165.0	175.9	181.9	190.7	165.2	200.5	206.1	177.0
Wood products	151.5	159.0	157.2	179.2	164.0	165.2	173.3	169.0
Saw and planing mills	161.1	172.1	171.5	202.6	179.5	180.8	191.8	185.0
Veneers and plywoods	329.8	358.8	356.6	363.9	301.2	391.7	395.0	354.0
Sawmills	149.6	162.3	164.5	205.2	177.1	172.7	185.8	179.0
Furniture	152.5	153.0	146.5	148.5	150.9	152.9	154.2	155.0
Iron and steel products	152.1	161.8	166.6	173.5	154.6	187.1	188.1	174.0
Machinery	149.1	160.2	160.0	162.0	162.1	174.7	179.5	181.0
Iron castings	135.5	151.1	165.2	182.0	120.7	217.1	212.7	167.0
Primary iron and steel	193.0	216.9	225.5	230.7	208.2	258.4	255.8	232.0
Sheet metal products	157.3	156.9	157.9	166.0	168.8	159.9	168.2	171.0
Transportation equipment	156.7	181.4	203.1	208.3	142.4	234.9	239.3	139.0
Aircraft and parts	260.0	233.8	227.6	227.3	220.2	269.6	276.1	275.0
Motor vehicles	206.9	257.6	308.4	324.5	170.1	364.2	374.3	129.0
Motor vehicle parts	146.6	179.5	184.8	181.0	157.5	227.8	223.3	199.0
Railway rolling stock	41.5	41.1	39.0	40.0	40.8	46.3	47.8	48.0
Shipbuilding and repairs	186.9	197.2	215.1	208.6	199.1	190.2	196.2	191.0
Non-ferrous metal products	148.9	148.8	149.8	147.2	140.1	161.9	164.3	156.0
Brass and copper products ...	126.9	133.4	129.9	133.3	137.7	150.3	154.1	156.0
Smelting and refining	164.2	161.6	164.9	159.2	146.5	176.5	179.2	165.0
Electrical apparatus and supplies	212.9	223.5	212.9	223.9	207.4	227.8	234.9	221.0
Heavy electrical machinery ..	149.8	154.3	151.7	155.2	156.1	158.4	160.5	161.0
Telecommunication equipment	524.1	546.9	473.3	521.8	428.1	520.2	516.6	428.0
Refrigerators and appliances	198.4	221.6	218.3	241.1	198.9	236.0	250.5	211.0
Non-metallic mineral products	240.9	243.0	263.4	278.0	273.1	275.6	306.3	306.0
Concrete products	655.0	652.3	786.2	784.3	760.2	859.2	994.4	1,000.0
Hydraulic cement	241.9	246.0	286.2	335.4	321.9	310.8	350.0	343.0
Domestic clay products	148.1	136.7	144.1	171.5	158.1	160.4	155.4	
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	351.5	332.3	314.4	374.2	368.5	349.0
Electric power	313.1	339.2	329.1	318.6	308.0	349.2	346.1	340.0
Gas	558.3	620.1	552.6	455.2	371.9	598.4	569.3	427.0

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1964

Seasonally adjusted real domestic product less agriculture for the second quarter of 1964 was one per cent below the level attained in the first quarter of this year. The present quarterly(1) decline is the first to be shown since the beginning of the current expansion in production early in 1961. It should be noted, however, that the decline represented to a large extent a reversal of the sharp increases shown by construction and related industries during the preceding months and particularly during the first quarter. Compared with the first six months of 1963, non-agricultural output was over 7 per cent higher. The following table shows a comparison of percentage contributions of some major industry groupings to the change in non-agricultural output (as measured from the trough in production) for the last five quarters.

TABLE 1

	I Q '61- II Q '63	I Q '61- III Q '63	I Q '61- IV Q '63	I Q '61- I Q '64	I Q '61- II Q '64
Per cent change in non-agricultural output ..	+ 12.5	+ 13.0	+ 17.1	+ 21.0	+ 19.9
	Per cent contribution to change (expressed as 100 per cent) in non-agricultural output				
Forestry	1.0	2.3	2.8	2.6	1.7
Fishing and trapping ...	- 0.2	- 0.3	- 0.5	- 0.2	- 0.5
Mining	7.6	6.8	7.3	8.0	8.2
Manufacturing	37.8	36.8	36.1	35.1	37.6
Non-durables	15.1	15.1	14.2	13.6	15.4
Durables	22.7	21.7	21.9	21.5	22.2
Construction	5.6	3.8	5.7	8.1	3.6
Electric power and gas utilities	5.0	5.7	5.7	4.7	5.4
Transportation, storage, communication	9.1	9.9	11.1	10.4	11.9
Trade	13.4	12.8	13.2	15.1	14.2
Other services*	20.1	21.6	18.2	15.9	17.5
Totals	100.0	100.0	100.0	100.0	100.0

* Includes public administration and defence, finance, insurance and real estate and community, recreation, business and personal services.

The 11 per cent drop in construction in the second quarter accounted for about 80 per cent of the decline in total non-agricultural output. Stimulated in part by the government winter house-building incentive programme and the pending imposition of the second stage of the tax on building materials on April 1, construction activity had increased by 6 per cent in the fourth quarter of 1963 and by a further 9 per cent in the first quarter of 1964. The current decline left construction at per cent above the third quarter of 1963. It was concentrated in the area of residential construction which alone accounted for more than one half of the decline in non-agricultural output. It should be noted that while there was a sharp drop in the construction of single and semi-detached dwelling units the drop in construction activity on multi-unit dwellings from an exceptionally high first quarter level also contributed substantially to the decrease in residential construction.

The next largest contributor to the decline was trade, with wholesale trade down by 2 1/2 per cent and retail trade by 1 1/2 per cent. Both at the retail and wholesale levels the most significant declines took place in the trades dealing with construction materials, such as the 27 per cent decline in lumber and building material dealer sales, which accounted for over one half of the decline in trade; and the 20 per cent declines in construction materials and supplies and in industrial and transportation equipment dealers which contributed heavily to the decline in wholesale trade.

(1) The monthly Index of Industrial Production showed little change in the second quarter, in spite of the fact that the April level was a record high. In June, the Index was 1.6 per cent below the April level and only marginally higher than January. For an analysis of monthly movements see page 2 of this report.

Other declines occurred in mining, forestry, and fishing and trapping. Public administration and defence declined fractionally. Mining output decreased by almost one per cent, with declines concentrated in metal mining, particularly iron ore (-7%) and other metals (including uranium). The 9 per cent drop in the irregularly fluctuating forestry industry contributed more than one sixth of the decrease in non-agricultural output, thus exercising more than its usual influence on the total change.

Manufacturing showed a marginal increase, as a result of a one per cent increase in non-durables outweighing a 0.6 per cent decline in durables. As in trade, the largest declines in durables occurred in industries which produce construction materials and related goods, such as the wood products and non-metallic mineral products groups which declined by 4 and 6 per cent respectively and together accounted for over one half of the decline in durables. The remainder was mostly accounted for by the 6 per cent decline in the motor vehicle component of the transportation equipment group. This was the first quarterly decline recorded by this industry since the beginning of its current period of expansion early in 1961, during the course of which its output has more than doubled. Iron and steel production in the second quarter continued to increase, showing a gain of 2 per cent, with increases in iron castings and primary iron and steel of 11 and 3 per cent respectively. Non-ferrous metal products increased by 3 1/2 per cent as a result of a 4 1/2 per cent increase in smelting and refining and smaller gains in some other components. Electrical apparatus and supplies also expanded, the larger portion of the gain coming from a 6 per cent increase in refrigerators and appliances.

Within non-durable manufacturing, strong gains of 2 to 9 per cent were shown by petroleum products, textile products, printing and publishing and tobacco products, the increase in the last group representing in part a recovery from a very low first quarter. Paper products increased by less than one per cent, with the effects of a 3 per cent gain in pulp and paper dampened by the sharp decline of the roofing paper component from the exceptionally high first quarter levels. Foods and beverages declined by 1 per cent, with a drop in its grain milling component of 5 per cent, again from very high first quarter levels, reflecting in the main developments associated with the export of grain flour. A fractional decline occurred in chemicals, as a result of a large drop in paints and varnishes, while most other components of chemicals increased.

The transportation, storage and communication group showed a gain of one and a half per cent in the second quarter, with all three components contributing to the increase. Storage was up by 9 per cent as a result of increased receipts and shipments at grain elevators. The transportation group increased by one per cent in spite of the two per cent decline in its largest component, railways, which failed to sustain the rapid increases achieved during the previous two quarters when rail facilities were increasingly being used to transport grain. The expansion in transportation activity in the second quarter came largely from shipping, which showed an above average gain due to the large quantities of wheat carried at that time. Air transport, and increased throughput of oil and gas declines also contributed to the advance in total transportation.

Except for the 2 per cent increase in the electric power and gas utilities group, which resulted in a 16 per cent gain in the gas component, the remaining industry divisions showed little change in the quarter. Finance, insurance and real estate increased by about one half of one per cent, which is below trend for this industry group. Community, recreation, business and personal service advanced just over half of one per cent, with personal service showing no change from the first quarter and the other three components recording increases in the the range of one to 5 per cent.

COMPARISON OF CONSTRUCTION AND RELATED INDUSTRIES BY QUARTERS, 1956-64
(SEASONALLY ADJUSTED QUANTITY INDEXES; 1949 = 100)

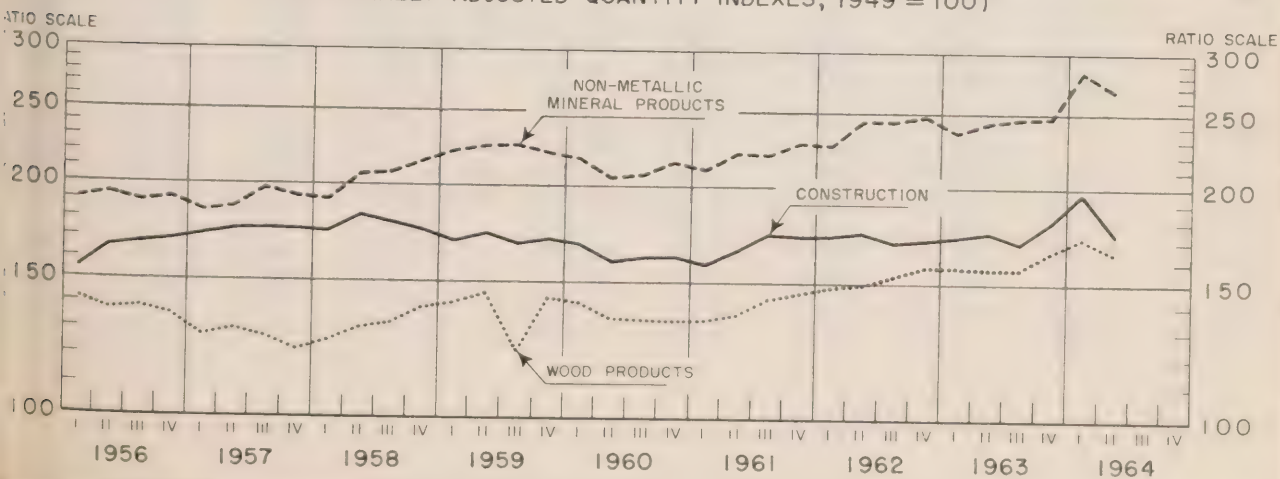


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1961 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	196.2	167.0	133.3	325.8	222.4	232.4	542.9	186.7	181.3
2	194.4	151.9	116.2	323.6	216.8	252.9	556.1	187.2	183.2
3									
4									
Without seasonal adjustment									
1961	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1961 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.0
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.0
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.0
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.0
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.0
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.0
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.0
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.0
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.0
1964 - 1	183.4	140.4	78.8	312.5	197.5	218.7	588.3	181.0	174.0
2	197.0	138.9	118.3	321.7	224.3	257.3	526.3	191.7	184.0
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.6
2	172.2	213.3	218.9	131.7	173.7	129.2	176.5	172.0
3								
4								
	Without seasonal adjustment							
1951	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1952	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1953	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1951 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1952 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1953 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1954 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.5
2	171.8	226.6	230.4	133.2	178.9	117.2	178.1	174.7
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1961 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.1
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.1
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.1
1964 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.1
2	307.9	271.9	261.2	191.9	164.6	180.7	202.2	162.1
3								
4								
Without seasonal adjustment								
1961	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.1
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.1
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.1
1961 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.1
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.1
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.1
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.1
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.1
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.1
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.1
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.1
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.1
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.1
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.1
1964 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.1
2	290.3	285.3	254.7	200.7	165.6	186.0	236.1	163.1
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
9 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
Seasonally adjusted								
1 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
2 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
3 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
- 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	186.4
2	236.6	266.1	174.6	399.1	208.9	195.6	256.6	182.8
3								
4								
Without seasonal adjustment								
.....	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
.....	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
.....	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
- 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.9
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
- 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3
- 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4
- 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	170.4
2	230.0	273.8	178.4	387.5	212.8	201.9	257.6	189.4
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industria Productio
1949 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1961 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
1962 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
1963 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
1964 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.7	175.5	201.4	190.1	169.3	194.4	194.2	211.8
3								
4								
Without seasonal adjustment								
1961	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.5
1962	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
1963	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.5
1961 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.5
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.5
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.5
1962 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.5
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.5
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.5
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.5
1963 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.5
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.5
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.5
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.5
1964 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.5
2	207.1	180.2	202.9	190.5	169.4	197.3	194.5	214.5
3								
4								

(1) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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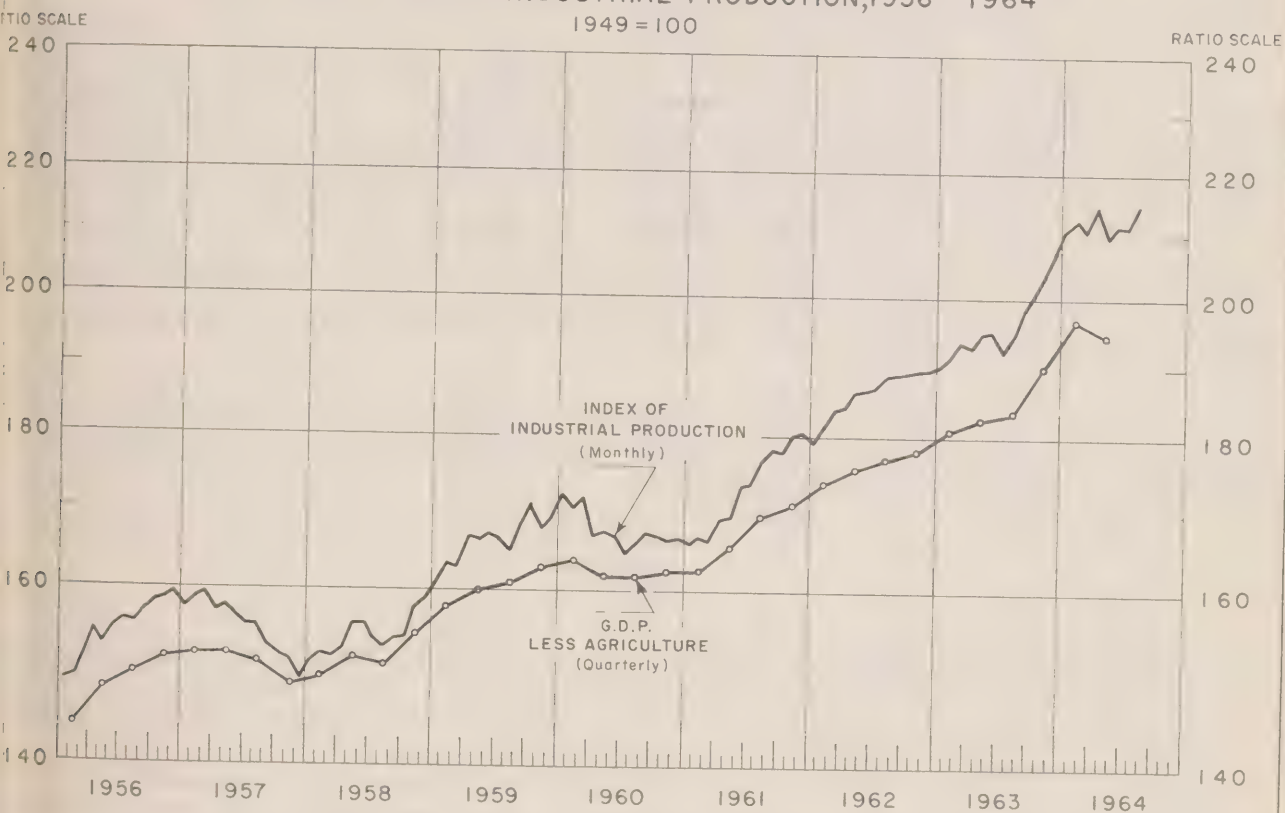
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

AUGUST 1964

The seasonally adjusted index of industrial production showed a gain of 1.8 per cent in August.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956 - 1964

1949 = 100



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (2nd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

October 1964
61-005-502

AUGUST INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted monthly Index of Industrial Production showed a gain of 1.8% in August, reaching a level of 214.6 in the month. This left the index at virtually the same level as in April of this year and almost 2% higher than at the beginning of 1964.

In August, all the strength occurred in manufacturing, where output advanced by more than two and one-half per cent. Both durables and non-durables moved high in the month, the former by more than 3%, the latter by almost 2%. On the other hand, both mining and electric power and gas utilities showed relatively small declines of 1% or less in August.

Increases in major groups were quite widespread throughout non-durables, ranging from 1% in petroleum products and foods and beverages to 10% in tobacco products. Rubber products gained about 7% in the month and chemicals, with almost all components contributing substantially, were up by 6%. In addition, leather products advanced by 4%, and 2% increases were recorded in textiles and paper products, the latter due largely to higher pulp and paper output. Only clothing printing and publishing registered declines in the month.

The strength in durables in August was similarly widespread and substantial. The biggest single contributor was transportation equipment, where motor vehicles moved higher by more than 10%. In addition, wood products, with considerably high sawmill and veneer and plywood output, gained 10%. Increases of about 3% in both primary iron and steel and iron castings led the way to a 2% advance in iron and steel products. In line with other increases in some of the building materials-producing industries, non-metallic mineral products jumped by 5%, due mostly to concrete products. A gain of 4% was also recorded in electrical apparatus and supplies as both telecommunication equipment and refrigerators and appliances showed strength in the month.

The slight decline in mining production originated in both fuels (-2%) and non-metals (-7%). These were almost offset by a 3% gain in metals, with all the major metals excepting nickel moving higher.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalog No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry index on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to the report for the period 1919 to 1934, the March 1964 supplement for the period to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total output.
4. The figures in Tables 1 and 2 may not reconcile with those on the Index of Industrial Production in Table 3 because of small revisions in June which have not been incorporated in the latter Table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Mar.	Apr.	May	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	210.2	214.7	209.4	211.3	210.9	214.6
MINING,	3.245	2	317.3	321.0	321.1	329.5	315.9	314.7
Metals	1.925	2	216.8	221.7	215.7	212.9	200.0	206.0
Gold	0.624	5	91.3	92.7	89.8	89.3	93.4	95.2
Copper	0.356	4	184.5	185.4	187.1	184.6	186.5	191.7
Iron ore	0.099	3	1,055.5	1,009.5	948.5	810.0	815.3	833.6
Nickel	0.337	4	170.3	186.1	187.7	187.3	172.6	165.9
Non-metals	0.268	5	230.9	260.3	253.9	244.8	261.9	243.9
Asbestos	0.214	5	239.6	274.0	260.8	258.3	275.3	253.3
Fuels	0.915	3	526.4	533.0	552.5	584.7	559.1	548.0
Coal	0.553	6	57.1	57.3	53.4	63.9	51.5	59.7
Natural gas	0.035	2	1,245.0	1,355.5	1,400.6	1,457.7	1,518.9	1,577.5
Petroleum	0.327	3	1,241.7	1,248.1	1,304.2	1,370.4	1,313.1	1,261.9
MANUFACTURING, TOTAL	27.340	3	186.3	190.4	185.6	185.7	186.3	191.1
NON-DURABLE MANUFACTURES	14.742	3	180.1	185.5	180.9	183.3	181.3	184.7
Foods and beverages	3.814	4	170.3	174.9	172.0	169.9	170.8	173.0
Foods	2.896	4	166.7	170.1	167.4	166.3	166.4	168.0
Meat products	0.523	4	163.7	180.5	171.0	179.4	178.7	187.3
Dairy products	0.450	3	168.5	169.0	177.9	163.5	165.6	168.6
Canning and processing	0.453	4	192.3	190.2	187.3	177.2	170.9	160.7
Grain mill products	0.322	4	190.3	184.4	182.7	180.1	176.0	176.3
Bakery products	0.558	3	141.9	143.3	142.3	142.8	146.5	145.2
Miscellaneous foods	0.590	4	158.9	163.8	156.5	163.0	166.2	173.0
Beverages	0.918	6	181.5	190.2	186.6	181.3	184.8	188.7
Carbonated beverages	0.231	6	177.3	196.9	176.5	168.3	186.6	176.3
Breweries	0.463	6	176.9	164.9	164.0	166.0	162.6	175.7
Distilleries	0.203	6	200.1	245.0	255.2	235.7	235.3	234.9
Tobacco and tobacco products ..	0.248	6	178.8	213.6	209.5	216.9	211.1	232.4
Rubber products	0.430	3	209.2	229.5	209.6	217.7	205.5	219.5
Leather products	0.508	2	125.0	131.7	134.5	129.6	129.5	134.9
Boots and shoes	0.307	4	131.4	140.8	142.4	137.8	135.3	-
Textiles	1.623	3	167.7	181.2	169.4	170.4	169.6	173.0
Cotton goods	0.507	4	108.3	132.9	116.3	120.7	121.2	130.9
Wool goods	0.300	3	93.0	99.7	96.0	81.7	88.5	83.0
Synthetic Textiles and Silk	0.429	3	299.3	316.2	294.8	304.9	297.6	302.1
Clothing	1.801	3	131.2	130.8	121.1	135.8	141.1	132.9
Paper products	2.649	3	176.4	180.9	173.9	174.5	177.1	181.0
Pulp and paper	2.108	3	174.9	183.0	175.4	175.8	179.6	184.1

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Mar.	Apr.	May	June	July	Aug.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	160.0	172.6	174.6	169.0	158.8	154.6
Products of petroleum and coal	0.513	3	298.4	305.1	296.4	322.2	308.7	312.6
Petroleum products	0.454	3	322.6	330.3	320.2	349.5	334.7	
Chemicals and allied products	1.359	2	275.6	267.9	271.1	276.2	267.1	282.6
Acids, alkalies, salts and fertilizers	0.346	2	304.2	320.2	321.8	333.2	320.5	343.6
Miscellaneous manufactures	0.524	1	259.5	258.4	261.3	263.9	249.3	264.6
DURABLE MANUFACTURES	12.598	3	193.6	196.1	191.0	188.6	192.2	198.6
Wood products	2.108	2	169.2	173.9	165.6	154.4	160.1	169.6
Saw and planing mills	1.444	3	184.1	191.4	179.6	163.8	172.8	186.6
Veneers and plywoods	0.122	3	401.5	408.2	376.3	374.1	389.1	423.6
Sawmills	0.994	4	170.7	181.6	170.3	149.4	161.4	177.6
Furniture	0.460	2	159.9	159.2	159.1	157.4	155.4	155.6
Iron and steel products	4.026	2	177.9	184.2	181.7	176.4	180.3	183.6
Machinery	0.851	1	172.4	174.4	175.8	179.3	182.3	181.6
Iron castings	0.387	3	157.4	186.0	198.1	178.7	199.4	206.6
Primary iron and steel	0.845	2	241.6	255.4	243.8	236.9	239.3	245.6
Sheet metal products	0.359	1	165.5	163.2	161.4	162.5	156.9	157.6
Transportation equipment	2.651	4	211.8	205.9	197.8	203.3	210.6	221.6
Aircraft and parts	0.203	1	260.4	266.9	271.0	275.9	284.1	288.6
Motor vehicles	1.035	4	318.0	302.2	278.5	287.9	293.4	323.6
Motor vehicle parts	0.462	2	211.9	211.7	212.7	216.4	240.1	231.6
Railway rolling stock	0.621	1	46.9	46.6	46.9	47.6	47.7	48.6
Shipbuilding and repairs	0.261	1	174.0	173.2	179.1	187.1	192.1	190.6
Non-ferrous metal products	1.601	3	159.0	161.7	160.3	164.7	161.2	156.6
Brass and copper products ...	0.241	1	148.3	147.9	150.8	151.8	148.5	147.6
Smelting and refining	1.028	3	171.4	175.5	172.5	179.6	175.5	169.6
Electrical apparatus and supplies	1.418	2	230.2	237.3	239.2	232.6	234.8	241.6
Heavy electrical machinery ..	0.489	1	161.1	162.6	162.5	160.2	158.9	158.6
Telecommunication equipment	0.142	3	538.9	578.7	599.3	532.1	539.1	591.6
Refrigerators and appliances	0.227	3	216.6	231.5	236.7	227.1	236.8	254.6
Non-metallic mineral products	0.794	2	280.8	279.0	258.2	261.7	262.4	271.6
Concrete products	0.098	4	819.6	832.9	740.7	781.1	781.9	851.6
Hydraulic cement	0.117	5	284.9	310.0	270.5	252.5	262.2	261.6
Domestic clay products	0.083	3	166.2	167.2	151.5	138.6	142.0	141.6
ELECTRIC POWER AND GAS UTILITIES	1.646	2	396.4	409.3	384.5	403.5	411.7	401.6
Electric power	1.480	2	367.9	370.1	351.7	360.1	372.4	361.6
Gas	0.166	3	652.2	760.8	678.5	792.9	763.8	

TABLE 2. Index of Industrial Production
(1949=100)

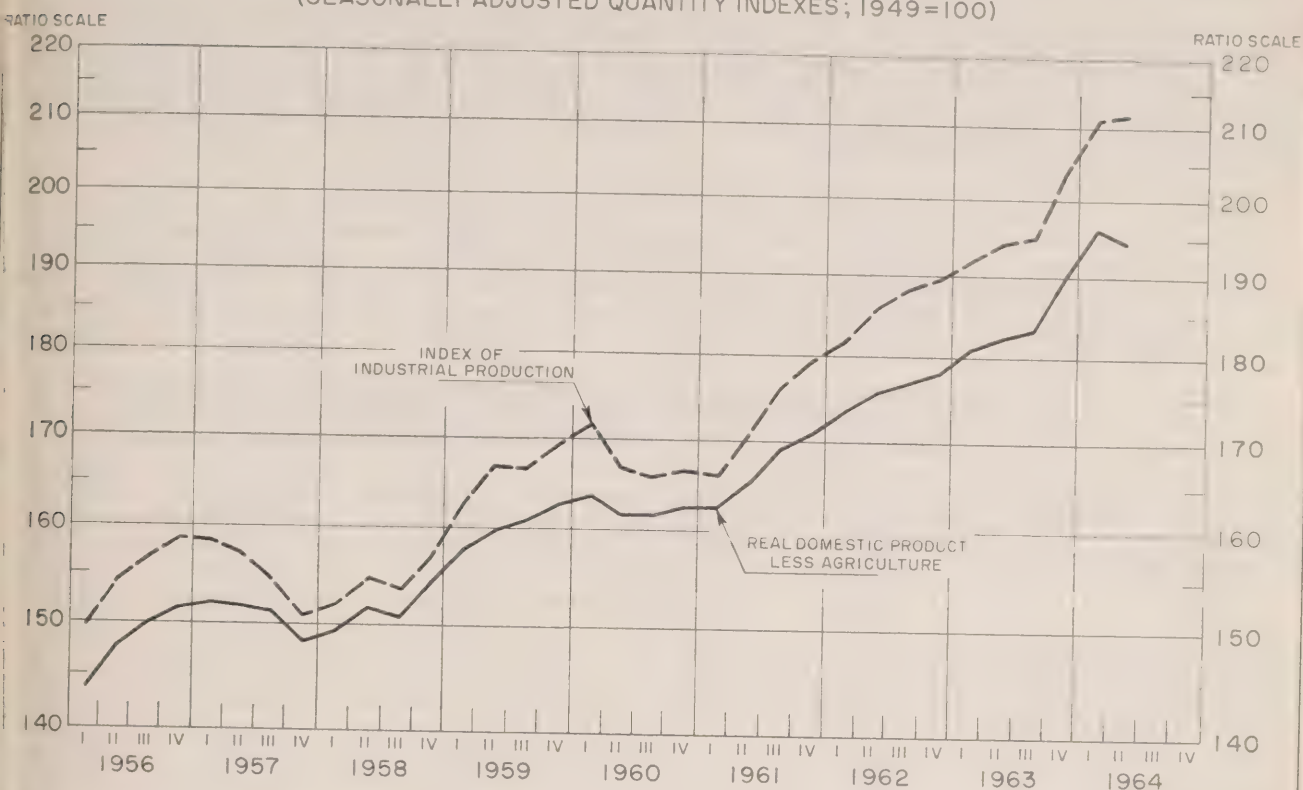
Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			June	July	Aug.	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	203.6	183.0	190.3	220.1	197.2	207.6
MINING,	287.4	294.4	304.0	280.7	294.8	339.5	313.5	319.5
Metals	197.7	193.8	211.1	182.3	197.8	236.0	203.6	219.9
Gold	100.1	95.5	99.3	87.1	93.5	89.3	90.1	92.6
Copper	176.7	174.0	187.0	162.5	179.3	198.3	183.0	199.4
Iron ore	632.5	670.8	886.4	737.7	822.7	1,077.3	986.5	1,042.0
Nickel	184.2	171.0	167.2	133.7	168.6	182.1	162.1	168.4
Non-metals	222.5	228.1	231.5	201.2	244.1	257.0	238.8	249.1
Asbestos	234.1	239.1	231.7	206.0	256.9	263.7	242.8	255.8
Fuels	480.8	513.6	494.0	481.9	486.0	548.4	530.1	512.0
Coal	48.8	52.0	43.8	44.1	32.3	55.3	45.7	35.2
Natural gas	1,005.7	1,179.8	993.6	971.3	984.4	1,196.8	1,199.9	1,262.0
Petroleum	1,154.0	1,221.6	1,200.6	1,168.8	1,198.7	1,311.5	1,276.3	1,236.7
MANUFACTURING, TOTAL	164.9	173.9	184.0	163.5	170.0	197.0	174.4	185.6
NON-DURABLE MANUFACTURES	164.8	172.2	178.2	162.1	179.1	189.1	171.6	189.7
Food and beverages	158.9	162.1	178.7	167.4	183.5	186.2	182.3	191.1
Foods	154.8	157.2	165.8	160.6	175.2	175.7	179.0	185.6
Meat products	159.2	163.6	158.2	148.5	154.9	175.5	166.2	177.4
Dairy products	159.3	163.5	212.3	190.7	182.8	213.0	194.1	188.3
Canning and processing	164.7	165.4	177.2	206.3	273.7	177.2	260.1	276.5
Grain mill products	137.5	145.9	148.2	131.0	141.3	183.3	172.3	174.8
Bakery products	145.4	138.8	145.5	145.9	145.9	150.5	153.3	151.5
Miscellaneous foods	158.3	164.3	157.5	143.2	157.9	165.9	144.8	159.5
Beverages	171.9	177.6	219.0	189.1	210.0	219.3	192.5	208.5
Carbonated beverages	173.0	178.7	231.5	229.8	239.0	214.2	244.5	224.2
Breweries	156.3	159.9	207.3	199.2	173.5	213.3	196.8	181.8
Distilleries	210.0	220.3	241.5	127.3	268.9	249.8	129.4	258.4
Tobacco and tobacco products	203.7	207.7	238.8	169.8	204.2	249.9	166.1	230.5
Rubber products	167.6	190.5	225.4	155.3	150.6	250.3	168.5	175.6
Leather products	126.7	127.0	129.9	88.2	127.9	132.0	95.7	136.4
Boots and shoes	137.7	136.9	138.5	88.5	140.1	140.6	94.7	-
Textiles	146.6	159.5	169.5	119.6	154.4	181.9	134.2	163.2
Cotton goods	105.3	109.6	114.2	70.8	109.4	120.7	81.1	121.9
Wool goods	84.9	89.8	107.6	72.6	90.4	95.0	73.1	81.3
Synthetic textiles and silk	243.6	281.0	301.3	190.2	263.0	338.7	223.2	277.9
Clothing	111.0	137.0(1)	113.5	115.8	159.9	112.0	119.9	158.4
Paper products	159.1	164.3	166.5	159.7	168.9	178.4	173.0	184.4
Pulp and paper	158.6	163.8	164.5	156.0	166.8	178.3	172.1	185.6

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	June	July	Aug.	June	July	Aug.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	158.3	147.3	149.9	169.3	150.5	147
Products of petroleum and coal	272.8	296.0	281.6	297.8	302.9	307.9	303.3	321
Petroleum products	294.3	319.7	303.3	321.7	327.5	332.7	328.0	
Chemicals and allied products	233.2	249.1	266.9	245.7	250.4	288.3	247.6	277
Acids, alkalis, salts and fertilizers	266.0	302.0	318.6	309.9	304.1	333.2	262.8	322
Miscellaneous manufactures	237.2	246.6	245.5	245.4	249.7	260.7	246.8	266
DURABLE MANUFACTURES	165.0	175.9	190.7	165.2	159.3	206.2	177.7	180
Wood products	151.5	159.0	179.2	164.0	167.7	173.3	168.7	179
Saw and planing mills	161.1	172.1	202.6	179.5	182.8	191.9	184.7	198
Veneers and plywoods	329.8	358.8	363.9	301.2	320.7	395.0	349.8	380
Sawmills	149.6	162.3	205.2	177.1	178.2	185.8	179.2	194
Furniture	152.5	153.0	148.5	150.9	157.1	154.4	154.9	160
Iron and steel products	152.1	161.8	173.5	154.6	160.4	188.6	174.8	185
Machinery	149.1	160.2	162.0	162.1	160.8	179.7	181.9	181
Iron castings	135.5	151.1	182.0	120.7	140.8	212.7	167.5	201
Primary iron and steel	193.0	216.9	230.7	208.2	211.1	255.8	232.1	240
Sheet metal products	157.3	156.9	166.0	168.8	169.5	172.3	171.7	172
Transportation equipment	156.7	181.4	208.3	142.4	88.9	239.6	142.0	116
Aircraft and parts	260.0	233.8	227.3	220.2	222.6	276.2	277.0	280
Motor vehicles	206.9	257.6	324.5	170.1	36.6	374.3	129.7	68
Motor vehicle parts	146.6	179.5	181.0	157.5	155.1	223.1	211.8	208
Railway rolling stock	41.5	41.1	40.0	40.8	41.3	47.7	48.5	49
Shipbuilding and repairs	186.9	197.2	208.6	199.1	187.4	199.1	197.5	190
Non-ferrous metal products	148.9	148.8	147.2	140.1	150.3	164.3	156.1	157
Brass and copper products ...	126.9	133.4	133.3	137.7	140.9	153.2	151.9	151
Smelting and refining	164.2	161.6	159.2	146.5	161.0	178.7	166.7	167
Electrical apparatus and supplies	212.9	223.5	223.9	207.4	218.1	234.1	218.7	231
Heavy electrical machinery ..	149.8	154.3	155.2	156.1	153.8	160.7	161.4	157
Telecommunication equipment	524.1	546.9	521.8	428.1	538.4	511.9	415.1	58
Refrigerators and appliances	198.4	221.6	241.1	198.9	191.7	249.8	208.6	22
Non-metallic mineral products	240.9	243.0	278.0	273.1	279.4	306.9	306.1	32
Concrete products	655.0	652.3	784.3	760.2	787.9	994.4	1,000.8	1,10
Hydraulic cement	241.9	246.0	335.4	321.9	329.2	350.0	343.5	34
Domestic clay products	148.1	136.7	171.5	158.1	145.6	159.4	156.2	16
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	332.3	314.4	321.6	368.5	346.8	35
Electric power	313.1	339.2	318.6	308.0	315.5	346.1	337.8	33
Gas	558.3	620.1	455.2	371.9	376.4	569.3	427.7	

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the entire range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fish- and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal services.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross Domestic Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1964

Seasonally adjusted real domestic product less agriculture for the second quarter of 1964 was one per cent below the level attained in the first quarter of this year. The present quarterly(1) decline is the first to be shown since the beginning of the current expansion in production early in 1961. It should be noted, however, that the decline represented to a large extent a reversal of the sharp increases shown by construction and related industries during the preceding months and particularly during the first quarter. Compared with the first six months of 1963, non-agricultural output was over 7 per cent higher. The following table shows a comparison of percentage contributions of some major industry groupings to the change in non-agricultural output (as measured from the trough production) for the last five quarters.

TABLE 1

	I Q '61- II Q '63	I Q '61- III Q '63	I Q '61- IV Q '63	I Q '61- I Q '64	I Q '61- II Q '64
Per cent change in non-agricultural output ..	+ 12.5	+ 13.0	+ 17.1	+ 21.0	+ 19.9
	Per cent contribution to change (expressed as 100 per cent) in non-agricultural output				
Forestry	1.0	2.3	2.8	2.6	1.7
Fishing and trapping ...	- 0.2	- 0.3	- 0.5	- 0.2	- 0.5
Mining	7.6	6.8	7.3	8.0	8.2
Manufacturing	37.8	36.8	36.1	35.1	37.6
Non-durables	15.1	15.1	14.2	13.6	15.4
Durables	22.7	21.7	21.9	21.5	22.2
Construction	5.6	3.8	5.7	8.1	3.6
Electric power and gas utilities	5.0	5.7	5.7	4.7	5.4
Transportation, storage, communication	9.1	9.9	11.1	10.4	11.9
Trade	13.4	12.8	13.2	15.1	14.2
Other services*	20.1	21.6	18.2	15.9	17.5
Totals	100.0	100.0	100.0	100.0	100.0

* Includes public administration and defence, finance, insurance and real estate and community, recreation, business and personal services.

The 11 per cent drop in construction in the second quarter accounted for about 80 per cent of the decline in total non-agricultural output. Stimulated in part by the government winter house-building incentive programme and the pending imposition of the second stage of the tax on building materials on April 1, construction activity had increased by 6 per cent in the fourth quarter of 1963 and by a further 9 per cent in the first quarter of 1964. The current decline left construction at 11 per cent above the third quarter of 1963. It was concentrated in the area of residential construction which alone accounted for more than one half of the decline in non-agricultural output. It should be noted that while there was a sharp drop in the construction of single and semi-detached dwelling units, the drop in construction activity on multi-unit dwellings from an exceptionally high first quarter level also contributed substantially to the decrease in residential construction.

The next largest contributor to the decline was trade, with wholesale trade down by 2 1/2 per cent and retail trade by 1 1/2 per cent. Both at the retail and wholesale levels the most significant declines took place in the trades dealing with construction materials, such as the 27 per cent decline in lumber and building material dealer sales, which accounted for over one half of the decline in retail trade; and the 20 per cent declines in construction materials and supplies and in industrial and transportation equipment dealers which contributed heavily to the decline in wholesale trade.

- (1) The monthly Index of Industrial Production showed little change in the second quarter, in spite of the fact that the April level was a record high. In June, the Index was 1.6 per cent below the April level and only marginally higher than January. For an analysis of monthly movements see page 2 of this report.

Other declines occurred in mining, forestry, and fishing and trapping. Public administration and defence declined fractionally. Mining output decreased by almost one per cent, with declines concentrated in metal mining, particularly iron ore (-7%) and other metals (including uranium). The 9 per cent drop in the irregularly fluctuating forestry industry contributed more than one sixth of the decrease in non-agricultural output, thus exercising more than its usual influence on the total change.

Manufacturing showed a marginal increase, as a result of a one per cent increase in non-durables output outweighing a 0.6 per cent decline in durables. As in trade, the largest declines in durables occurred in industries which produce construction materials and related goods, such as the wood products and non-metallic mineral products groups which declined by 4 and 6 per cent respectively and together accounted for over one half of the decline in durables. The remainder was mostly accounted for by the 6 per cent decline in the motor vehicle component of the transportation equipment group. This was the first quarterly decline recorded by this industry since the beginning of its current period of expansion early in 1961, during the course of which its output has more than doubled. Iron and steel production in the second quarter continued to increase, showing a gain of 2 per cent, with increases in iron castings and primary iron and steel of 11 and 3 per cent respectively. Non-ferrous metal products increased by 3 1/2 per cent as a result of a 4 1/2 per cent increase in smelting and refining and smaller gains in some other components. Electrical apparatus and supplies also expanded, the larger portion of the gain coming from a 6 per cent increase in refrigerators and appliances.

Within non-durable manufacturing, strong gains of 2 to 9 per cent were shown by petroleum products, textile products, printing and publishing and tobacco products, the increase in the last group representing in part a recovery from a very low first quarter. Paper products increased by less than one per cent, with the effects of a 3 per cent gain in pulp and paper dampened by the sharp decline of the roofing paper component from the exceptionally high first quarter levels. Foods and beverages declined by 1 per cent, with a drop in its grain milling component of 5 per cent, again from very high first quarter levels, reflecting in the main developments associated with the export of grain and flour. A fractional decline occurred in chemicals, as a result of a large drop in paints and varnishes, while most other components of chemicals increased.

The transportation, storage and communication group showed a gain of one and a half per cent in the second quarter, with all three components contributing to the increase. Storage was up by 9 1/2 per cent as a result of increased receipts and shipments at grain elevators. The transportation group increased by one per cent in spite of the two per cent decline in its largest component, railways, which failed to sustain the rapid increases achieved during the previous two quarters when rail facilities were increasingly being used to transport grain. The expansion in transportation activity for the second quarter came largely from shipping, which showed an above average gain due to the large quantities of wheat carried at that time. Air transport, and increased throughput of oil and gas pipelines also contributed to the advance in total transportation.

Except for the 2 per cent increase in the electric power and gas utilities group, which resulted from a 16 per cent gain in the gas component, the remaining industry divisions showed little change in the quarter. Finance, insurance and real estate increased by about one half of one per cent, which is below trend for this industry group. Community, recreation, business and personal service advanced just over half of one per cent, with personal service showing no change from the first quarter and the other three components recording increases in the the range of one to 5 per cent.

COMPARISON OF CONSTRUCTION AND RELATED INDUSTRIES BY QUARTERS, 1956-64
(SEASONALLY ADJUSTED QUANTITY INDEXES; 1949 = 100)

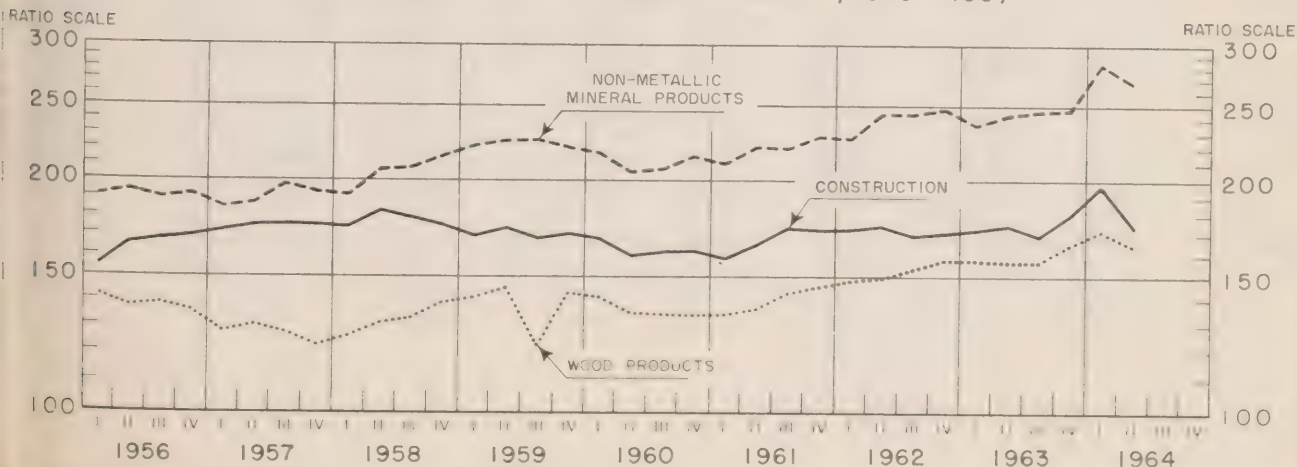


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.6
2	172.2	213.3	218.9	131.7	173.7	129.2	176.5	172.0
3								
4								
	Without seasonal adjustment							
961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
964 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.5
2	171.8	226.6	230.4	133.2	178.9	117.2	178.1	174.7
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1961 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.9	261.2	191.9	164.6	180.7	202.2	162.7
3								
4								
Without seasonal adjustment								
1961	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.1
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.3
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.3
1961 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.1
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.1
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.1
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.1
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.1
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.1
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.1
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.1
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.1
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.1
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.1
1964 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.1
2	290.3	285.3	254.7	200.7	165.6	186.0	236.1	163.1
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
Seasonally adjusted								
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
1964 - 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	186.4
2	236.6	266.1	174.6	399.1	208.9	195.6	256.6	182.8
3								
4								
Without seasonal adjustment								
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.9
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4
1964 - 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	170.4
2	230.0	273.8	178.4	387.5	212.8	201.9	257.6	189.4
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industrial Production
1949 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1961 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
1962 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
1963 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
1964 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.7	175.5	201.4	190.1	169.3	194.4	194.2	211.8
3								
4								
Without seasonal adjustment								
1961	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
1962	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
1963	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1961 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
1962 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
1963 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
1964 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.4
2	207.1	180.2	202.9	190.5	169.4	197.3	194.5	214.8
3								
4								

(1) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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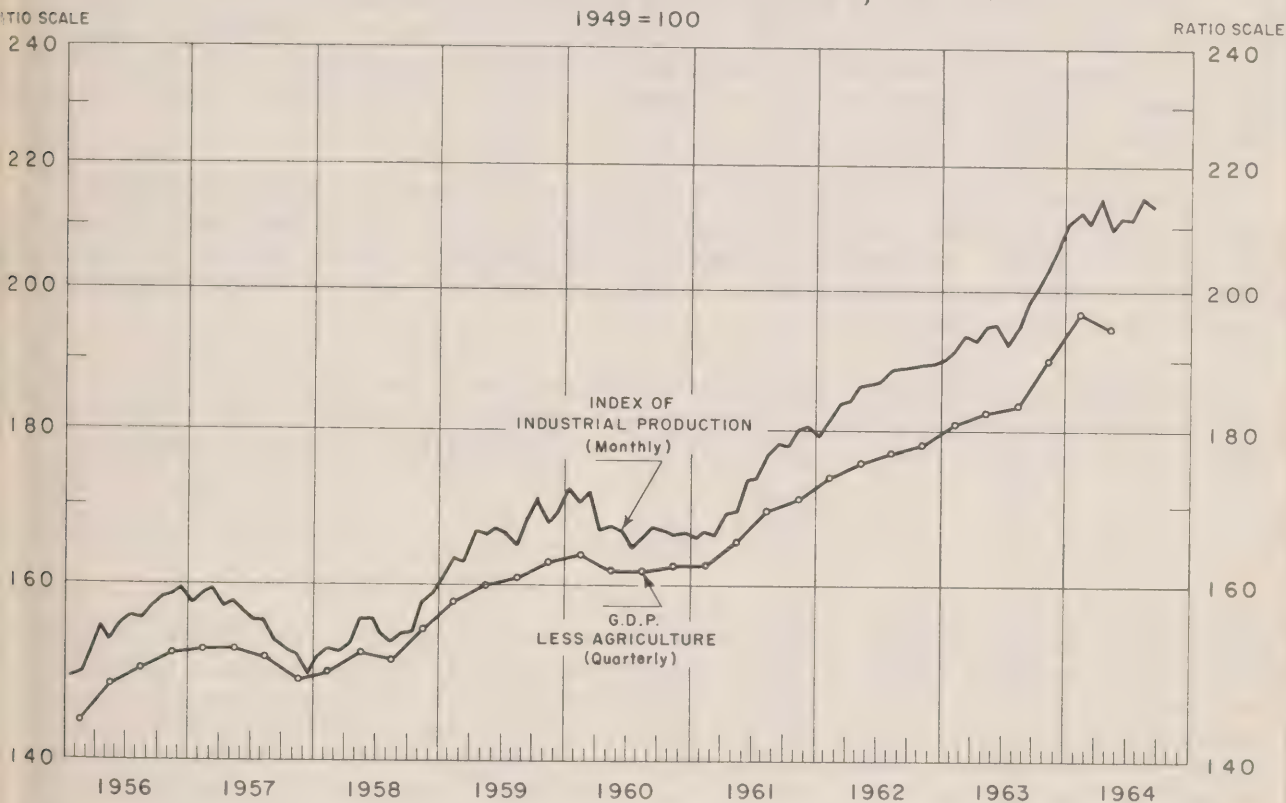
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

SEPTEMBER 1964

The seasonally adjusted index of industrial production declined by 0.4 per cent in September.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956 - 1964

1949 = 100



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (2nd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

November 1964
2205-502

SEPTEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production declined by 0.4% in September to 213.5 from the revised August level of 214.4. This latest change left the Index, measuring about one-third of the domestic economy, higher by more than 9% in the January-September period over the same period last year. In addition, on a seasonally adjusted basis, the index gained about 0.5% in the third quarter over the second quarter of this year.

In September alone, the 0.4% decline was the result of drops in both mining (-1.3%) and manufacturing (-0.7%), partially offset by a gain of 2.9% in electric power and gas utilities. Within manufacturing, both durables and non-durables show declines, the former by 1.0%, the latter by 0.4%.

Almost half of the durables decline originated in wood products as both saw-mills and veneer and plywoods fell in September after showing sizeable gains for the past two months. In iron and steel products, which fell by 2%, both primary steel and iron castings were lower. Transportation equipment showed a marginal drop as motor vehicle production was little changed from its seasonally adjusted August level. Indications are that a fairly large decline has occurred in motor vehicles in October due to parts shortages in the industry. Elsewhere, in durables in September, non-metallic mineral products and electrical apparatus and supplies were little changed in the month, while non-ferrous metal products gained almost 3%, due to smelting and refining.

Within non-durables, declines of from 1% to 3% occurred in paper products, textiles, leather, tobacco and foods and beverages, while petroleum products declined somewhat more. On the other hand, rubber products gained 2% and printing and publishing 6%. The second consecutive large monthly increase in acids brought chemicals up by more than 1%.

In mining, each of three major divisions declined, metals and non-metals by 2% and 4% respectively, and fuels by a marginal amount. Most of the major metals dropped in September; nickel in particular was affected by a labour disturbance.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. The figures in Tables 1 and 2 may not reconcile with those on the Index of Industrial Production in Table 3 because of small revisions in June which have not been incorporated in the latter Table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Apr.	May	June	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	214.7	209.4	211.3	210.9	214.4	213.5
MINING,	3.245	2	321.0	321.1	329.5	316.0	314.6	310.8
Metals	1.925	2	221.7	215.7	212.9	200.0	206.0	201.2
Gold	0.624	5	92.7	89.8	89.3	93.4	95.2	91.5
Copper	0.356	4	185.4	187.1	184.6	186.5	191.7	173.6
Iron ore	0.099	3	1,009.5	948.5	810.0	815.3	833.6	825.9
Nickel	0.337	4	186.1	187.7	187.3	172.6	165.9	156.6
Non-metals	0.268	5	260.3	253.9	244.8	261.9	243.9	234.7
Asbestos	0.214	5	274.0	260.8	258.3	275.3	253.3	246.4
Fuels	0.915	3	533.0	552.5	584.7	559.1	550.9	549.0
Coal	0.553	6	57.3	53.4	63.9	51.5	59.7	55.0
Natural gas	0.035	2	1,355.5	1,400.6	1,457.7	1,518.9	1,554.3	1,612.5
Petroleum	0.327	3	1,248.1	1,304.2	1,370.4	1,313.1	1,272.6	1,268.8
MANUFACTURING, TOTAL	27.340	3	190.4	185.6	185.7	186.3	191.2	189.8
NON-DURABLE MANUFACTURES	14.742	3	185.5	180.9	183.3	181.4	185.0	184.2
Foods and beverages	3.814	4	174.9	172.0	169.9	170.8	172.9	169.4
Foods	2.896	4	170.1	167.4	166.3	166.4	168.9	166.3
Meat products	0.523	4	180.5	171.0	179.4	178.7	187.3	184.8
Dairy products	0.450	3	169.0	177.9	163.5	165.6	167.7	163.9
Canning and processing	0.453	4	190.2	187.3	177.2	172.6	159.7	163.9
Grain mill products	0.322	4	184.4	182.7	180.1	173.6	186.1	177.6
Bakery products	0.558	3	143.3	142.3	142.8	146.7	144.8	144.6
Miscellaneous foods	0.590	4	163.8	156.5	163.0	166.2	174.1	168.0
Beverages	0.918	6	190.2	186.6	181.3	184.8	185.3	179.0
Carbonated beverages	0.231	6	196.9	176.5	168.3	186.6	176.3	177.5
Breweries	0.463	6	164.9	164.0	166.0	162.6	169.9	155.6
Distilleries	0.203	6	245.0	255.2	235.7	235.3	234.9	237.9
Tobacco and tobacco products ..	0.248	6	213.6	209.5	216.9	211.1	232.4	227.5
Rubber products	0.430	3	229.5	209.6	217.7	198.2	210.4	215.5
Leather products	0.508	2	131.7	134.5	129.6	129.4	134.0	130.0
Boots and shoes	0.307	4	140.8	142.4	137.8	135.3	144.4	137.3
Textiles	1.623	3	181.2	169.4	170.4	169.5	174.4	173.6
Cotton goods	0.507	4	132.9	116.3	120.7	121.2	130.9	121.2
Wool goods	0.300	3	99.7	96.0	81.7	88.5	83.5	83.5
Synthetic Textiles and Silk	0.429	3	316.2	294.8	304.9	297.6	308.0	313.8
Clothing	1.801	3	130.8	121.1	135.8	139.1	136.7	136.4
Paper products	2.649	3	180.9	173.9	174.5	177.1	181.2	178.8
Pulp and paper	2.108	3	183.0	175.4	175.8	179.6	184.1	179.9

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			Apr.	May	June	July	Aug.	Sept.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	172.6	174.6	169.0	158.9	154.3	163.7
Products of petroleum and coal	0.513	3	305.1	296.4	322.2	308.7	307.7	292.7
Petroleum products	0.454	3	330.3	320.2	349.5	334.7	333.2	315.9
Chemicals and allied products	1.359	2	267.9	271.1	276.2	266.8	283.7	287.8
Acids, alkalies, salts and fertilizers	0.346	2	320.2	321.8	333.2	320.5	343.1	368.5
Miscellaneous manufactures	0.524	1	258.4	261.3	263.9	264.6	266.3	267.1
DURABLE MANUFACTURES	12.598	3	196.1	191.0	188.6	192.1	198.3	196.4
Wood products	2.108	2	173.9	165.6	154.4	160.1	169.5	163.9
Saw and planing mills	1.444	3	191.4	179.6	163.8	172.8	186.5	177.9
Veneers and plywoods	0.122	3	408.2	376.3	374.1	389.1	423.3	380.5
Sawmills	0.994	4	181.6	170.3	149.4	161.4	177.6	170.1
Furniture	0.460	2	159.2	159.1	157.4	155.3	155.0	155.8
Iron and steel products	4.026	2	184.2	181.7	176.4	180.4	183.2	179.5
Machinery	0.851	1	174.4	175.8	179.3	182.3	182.0	181.3
Iron castings	0.387	3	186.0	198.1	178.7	199.4	193.5	174.2
Primary iron and steel	0.845	2	255.4	243.8	236.9	239.3	245.6	240.8
Sheet metal products	0.359	1	163.2	161.4	162.5	157.6	159.9	158.4
Transportation equipment	2.651	4	205.9	197.8	203.3	210.0	221.7	220.7
Aircraft and parts	0.203	1	266.9	271.0	275.9	282.1	281.8	281.2
Motor vehicles	1.035	4	302.2	278.5	287.9	293.4	323.8	321.4
Motor vehicle parts	0.462	2	211.7	212.7	216.4	239.5	238.4	236.8
Railway rolling stock	0.621	1	46.6	46.9	47.6	47.7	47.6	46.9
Shipbuilding and repairs	0.261	1	173.2	179.1	187.1	188.6	186.0	188.8
Non-ferrous metal products	1.601	3	161.7	160.3	164.7	161.0	156.6	160.5
Brass and copper products ...	0.241	1	147.9	150.8	151.8	147.6	144.5	144.3
Smelting and refining	1.028	3	175.5	172.5	179.6	175.5	169.4	174.9
Electrical apparatus and supplies	1.418	2	237.3	239.2	232.6	234.9	244.5	243.1
Heavy electrical machinery ..	0.489	1	162.6	162.5	160.2	158.9	159.5	160.3
Telecommunication equipment	0.142	3	578.7	599.3	532.1	539.1	596.4	585.0
Refrigerators and appliances	0.227	3	231.5	236.7	227.1	236.8	252.5	246.8
Non-metallic mineral products	0.794	2	279.0	258.2	261.7	262.4	275.5	275.8
Concrete products	0.098	4	832.9	740.7	781.1	781.9	855.5	832.9
Hydraulic cement	0.117	5	310.0	270.5	252.5	262.2	260.9	269.9
Domestic clay products	0.083	3	167.2	151.5	138.6	142.0	148.5	140.0
ELECTRIC POWER AND GAS UTILITIES	1.646	2	409.3	384.5	403.5	412.2	403.7	415.0
Electric power	1.480	2	370.1	351.7	360.1	373.0	367.8	378.0
Gas	0.166	3	760.8	678.5	792.9	763.4	725.4	751.0

TABLE 2. Index of Industrial Production
(1949=100)

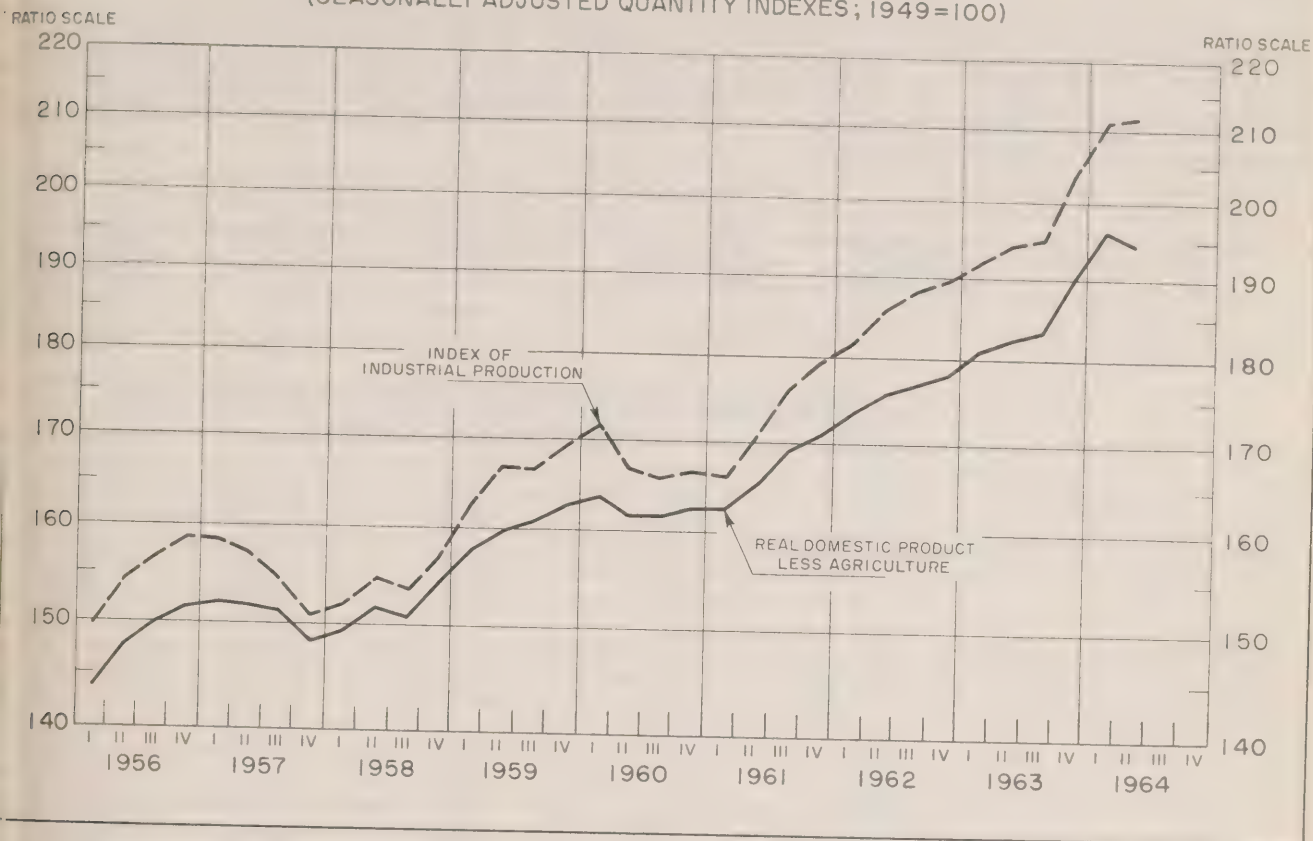
Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			July	Aug.	Sept.	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	183.0	190.3	204.8	197.3	207.4	219.7
MINING,	287.4	294.4	280.7	294.8	318.4	313.6	319.1	328.6
Metals	197.7	193.8	182.3	197.8	219.5	203.6	219.9	220.7
Gold	100.1	95.5	87.1	93.5	98.3	90.1	92.6	89.7
Copper	176.7	174.0	162.5	179.3	193.6	183.0	199.4	178.8
Iron ore	632.5	670.8	737.7	822.7	1,034.2	986.5	1,042.0	1,156.2
Nickel	184.2	171.0	133.7	168.6	173.2	162.1	168.4	161.3
Non-metals	222.5	228.1	201.2	244.1	251.7	238.8	249.1	252.7
Asbestos	234.1	239.1	206.0	256.9	264.1	242.8	255.8	259.7
Fuels	480.8	513.6	481.9	486.0	513.5	530.1	515.0	542.4
Coal	48.8	52.0	44.1	32.3	53.8	45.7	35.2	57.7
Natural gas	1,005.7	1,179.8	971.3	984.4	1,087.9	1,199.9	1,243.4	1,306.1
Petroleum	1,154.0	1,221.6	1,168.8	1,198.7	1,228.1	1,276.3	1,247.1	1,278.9
MANUFACTURING, TOTAL	164.9	173.9	163.5	170.0	183.3	174.5	185.6	197.5
NON-DURABLE MANUFACTURES	164.8	172.2	162.1	179.1	185.0	171.8	190.0	196.1
Food and beverages	158.9	162.1	167.4	183.5	180.4	182.3	191.7	188.9
Food	154.8	157.2	160.6	175.2	178.2	179.1	186.4	187.3
Meat products	159.2	163.6	148.5	154.9	171.4	166.2	177.4	190.2
Dairy products	159.3	163.5	190.7	182.8	181.1	194.1	187.3	181.9
Canning and processing	164.7	165.4	206.3	273.7	259.7	262.0	274.8	264.6
Grain mill products	137.5	145.9	131.0	141.3	149.8	170.0	184.6	180.5
Bakery products	145.4	138.8	145.9	145.9	143.7	153.5	151.2	150.1
Miscellaneous foods	158.3	164.3	143.2	157.9	167.5	144.8	160.4	168.7
Beverages	171.9	177.6	189.1	210.0	187.4	192.5	208.2	193.7
Carbonated beverages	173.0	178.7	229.8	239.0	182.3	244.5	224.2	192.6
Breweries	156.3	159.9	199.2	173.5	155.9	196.8	181.8	147.2
Distilleries	210.0	220.3	127.3	268.9	251.4	129.4	258.4	287.9
Tobacco and tobacco products	203.7	207.7	169.8	204.2	192.3	166.1	230.5	236.6
Rubber products	167.6	190.5	155.3	150.6	200.0	162.5	159.9	237.0
Leather products	126.7	127.0	88.2	127.9	132.5	95.5	135.5	135.1
Boots and shoes	137.7	136.9	88.5	140.1	144.1	94.7	148.9	143.1
Textiles	146.6	159.5	119.6	154.4	170.9	134.1	164.5	179.6
Cotton goods	105.3	109.6	70.8	109.4	120.9	81.1	121.9	128.1
Wool goods	84.9	89.8	72.6	90.4	97.4	73.1	81.8	92.1
Synthetic textiles and silk	243.6	281.0	190.2	263.0	301.9	223.2	283.4	321.0
Clothing	111.0	137.0(1)	115.8	159.9	160.0	118.2	163.0	160.7
Paper products	159.1	164.3	159.7	168.9	172.3	173.0	184.4	184.6
Pulp and paper	158.6	163.8	156.0	166.8	171.0	172.1	185.6	184.8

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	July	Aug.	Sept.	July	Aug.	Sept.
NON-DURABLE MANUFACTURES - Concluded:								
Printing, publishing and allied industries	154.0	156.7	147.3	149.9	164.2	150.6	147.3	168.
Products of petroleum and coal	272.8	296.0	297.8	302.9	327.1	303.3	317.0	304.
Petroleum products	294.3	319.7	321.7	327.5	354.9	328.0	343.2	328.
Chemicals and allied products	233.2	249.1	245.7	250.4	255.1	247.3	278.9	293.
Acids, alkalies, salts and fertilizers	266.0	302.0	309.9	304.1	305.2	262.8	322.5	363.
Miscellaneous manufactures	237.2	246.6	245.4	249.7	258.5	262.0	268.4	278.
DURABLE MANUFACTURES	165.0	175.9	165.2	159.3	181.4	177.6	180.5	199.
Wood products	151.5	159.0	164.0	167.7	171.0	168.6	178.9	174.
Saw and planing mills	161.1	172.1	179.5	182.8	185.5	184.6	198.0	189.
Veneers and plywoods	329.8	358.8	301.2	320.7	395.7	349.8	380.1	405.
Sawmills	149.6	162.3	177.1	178.2	173.2	179.2	194.8	180.
Furniture	152.5	153.0	150.9	157.1	163.3	154.8	159.8	166.
Iron and steel products	152.1	161.8	154.6	160.4	170.1	174.9	183.7	187.
Machinery	149.1	160.2	162.1	160.8	162.3	181.9	182.2	185.
Iron castings	135.5	151.1	120.7	140.8	148.4	167.5	180.0	182.
Primary iron and steel	193.0	216.9	208.2	211.1	228.4	232.1	240.7	247.
Sheet metal products	157.3	156.9	168.8	169.5	167.0	172.4	174.3	173.
Transportation equipment	156.7	181.4	142.4	88.9	157.6	141.4	117.1	190.
Aircraft and parts	260.0	233.8	220.2	222.6	233.8	275.0	273.9	280.
Motor vehicles	206.9	257.6	170.1	36.6	199.6	129.7	68.0	247.
Motor vehicle parts	146.6	179.5	157.5	155.1	178.0	211.2	214.6	226.
Railway rolling stock	41.5	41.1	40.8	41.3	42.6	48.5	48.2	48.
Shipbuilding and repairs	186.9	197.2	199.1	187.4	187.5	193.9	186.0	190.
Non-ferrous metal products	148.9	148.8	140.1	150.3	152.3	155.9	156.9	161.
Brass and copper products ...	126.9	133.4	137.7	140.9	140.8	151.0	149.4	148.
Smelting and refining	164.2	161.6	146.5	161.0	163.3	166.7	167.9	173.
Electrical apparatus and supplies	212.9	223.5	207.4	218.1	240.6	218.9	239.8	258.
Heavy electrical machinery ..	149.8	154.3	156.1	153.8	154.5	161.4	160.9	163.
Telecommunication equipment	524.1	546.9	428.1	538.4	652.3	415.1	580.9	655.
Refrigerators and appliances	198.4	221.6	198.9	191.7	238.9	208.6	222.2	262.
Non-metallic mineral products	240.9	243.0	273.1	279.4	298.5	306.1	322.6	320.
Concrete products	655.0	652.3	760.2	787.9	954.1	1,000.8	1,107.0	1,057.
Hydraulic cement	241.9	246.0	321.9	329.2	318.4	343.5	341.8	350.
Domestic clay products	148.1	136.7	158.1	145.6	159.6	156.2	163.3	166.
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	314.4	321.6	337.9	347.2	348.6	374.
Electric power	313.1	339.2	308.0	315.5	327.4	338.3	338.4	350.
Gas	558.3	620.1	371.9	376.4	432.3	427.5	439.6	511.

COMPARISON OF REAL DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, BY QUARTERS 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES; 1949=100)



Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the full range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fish and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1964

Seasonally adjusted real domestic product less agriculture for the second quarter of 1964 was one per cent below the level attained in the first quarter of this year. The present quarterly(1) decline is the first to be shown since the beginning of the current expansion in production early in 1961. It should be noted, however, that the decline represented to a large extent a reversal of the sharp increases shown by construction and related industries during the preceding months and particularly during the first quarter. Compared with the first six months of 1963, non-agricultural output was over 7 per cent higher. The following table shows a comparison of percentage contributions of some major industry groupings to the change in non-agricultural output (as measured from the trough in production) for the last five quarters.

TABLE 1

	I Q '61- II Q '63	I Q '61- III Q '63	I Q '61- IV Q '63	I Q '61- I Q '64	I Q '61- II Q '64
Per cent change in non-agricultural output ..	+ 12.5	+ 13.0	+ 17.1	+ 21.0	+ 19.9
	Per cent contribution to change (expressed as 100 per cent) in non-agricultural output				
Forestry	1.0	2.3	2.8	2.6	1.7
Fishing and trapping ...	- 0.2	- 0.3	- 0.5	- 0.2	- 0.5
Mining	7.6	6.8	7.3	8.0	8.2
Manufacturing	37.8	36.8	36.1	35.1	37.6
Non-durables	15.1	15.1	14.2	13.6	15.4
Durables	22.7	21.7	21.9	21.5	22.2
Construction	5.6	3.8	5.7	8.1	3.6
Electric power and gas utilities	5.0	5.7	5.7	4.7	5.4
Transportation, storage, communication	9.1	9.9	11.1	10.4	11.9
Trade	13.4	12.8	13.2	15.1	14.2
Other services*	20.1	21.6	18.2	15.9	17.5
Totals	100.0	100.0	100.0	100.0	100.0

* Includes public administration and defence, finance, insurance and real estate and community, recreation, business and personal services.

The 11 per cent drop in construction in the second quarter accounted for about 80 per cent of the decline in total non-agricultural output. Stimulated in part by the government winter house-building incentive programme and the pending imposition of the second stage of the tax on building materials on April 1, construction activity had increased by 6 per cent in the fourth quarter of 1963 and by a further 9 per cent in the first quarter of 1964. The current decline left construction at 11 per cent above the third quarter of 1963. It was concentrated in the area of residential construction which alone accounted for more than one half of the decline in non-agricultural output. It should be noted that while there was a sharp drop in the construction of single and semi-detached dwelling units the drop in construction activity on multi-unit dwellings from an exceptionally high first quarter level also contributed substantially to the decrease in residential construction.

The next largest contributor to the decline was trade, with wholesale trade down by 2 1/2 per cent and retail trade by 1 1/2 per cent. Both at the retail and wholesale levels the most significant declines took place in the trades dealing with construction materials, such as the 27 per cent decline in lumber and building material dealer sales, which accounted for over one half of the decline in retail trade; and the 20 per cent declines in construction materials and supplies and in industrial and transportation equipment dealers which contributed heavily to the decline in wholesale trade.

(1) The monthly Index of Industrial Production showed little change in the second quarter, in spite of the fact that the April level was a record high. In June, the Index was 1.6 per cent below the April level and only marginally higher than January. For an analysis of monthly movements see page 2 of this report.

Other declines occurred in mining, forestry, and fishing and trapping. Public administration and defence declined fractionally. Mining output decreased by almost one per cent, with declines concentrated in metal mining, particularly iron ore (-7%) and other metals (including uranium). The 9 per cent drop in the irregularly fluctuating forestry industry contributed more than one sixth of the decrease in non-agricultural output, thus exercising more than its usual influence on the total change.

Manufacturing showed a marginal increase, as a result of a one per cent increase in non-durables outweighing a 0.6 per cent decline in durables. As in trade, the largest declines in durables occurred in industries which produce construction materials and related goods, such as the wood products and non-metallic mineral products groups which declined by 4 and 6 per cent respectively and together accounted for over one half of the decline in durables. The remainder was mostly accounted for by the 6 per cent decline in the motor vehicle component of the transportation equipment group. This was the first quarterly decline recorded by this industry since the beginning of its current period of expansion early in 1961, during the course of which its output has more than doubled. Iron and steel production in the second quarter continued to increase, showing a gain of 2 per cent, with increases in iron castings and primary iron and steel of 11 and 3 per cent respectively. Non-ferrous metal products increased by 3 1/2 per cent as a result of a 4 1/2 per cent increase in smelting and refining and smaller gains in some other components. Electrical apparatus and supplies also expanded, the larger portion of the gain coming from a 6 per cent increase in refrigerators and appliances.

Within non-durable manufacturing, strong gains of 2 to 9 per cent were shown by petroleum products, textile products, printing and publishing and tobacco products, the increase in the last group representing in part a recovery from a very low first quarter. Paper products increased by less than one per cent, with the effects of a 3 per cent gain in pulp and paper dampened by the sharp decline of the roofing paper component from the exceptionally high first quarter levels. Foods and beverages declined by 1 per cent, with a drop in its grain milling component of 5 per cent, again from very high first quarter levels, reflecting in the main developments associated with the export of grain and flour. A fractional decline occurred in chemicals, as a result of a large drop in paints and finishes, while most other components of chemicals increased.

The transportation, storage and communication group showed a gain of one and a half per cent in the second quarter, with all three components contributing to the increase. Storage was up by 9 per cent as a result of increased receipts and shipments at grain elevators. The transportation group increased by one per cent in spite of the two per cent decline in its largest component, railways, which failed to sustain the rapid increases achieved during the previous two quarters when rail facilities were increasingly being used to transport grain. The expansion in transportation activity in the second quarter came largely from shipping, which showed an above average gain due to the large quantities of wheat carried at that time. Air transport, and increased throughput of oil and gas pipelines also contributed to the advance in total transportation.

Except for the 2 per cent increase in the electric power and gas utilities group, which resulted in a 16 per cent gain in the gas component, the remaining industry divisions showed little change in the quarter. Finance, insurance and real estate increased by about one half of one per cent, which is below trend for this industry group. Community, recreation, business and personal service advanced just over half of one per cent, with personal service showing no change from the first quarter and the other three components recording increases in the the range of one to 5 per cent.

COMPARISON OF CONSTRUCTION AND RELATED INDUSTRIES BY QUARTERS, 1956-64
(SEASONALLY ADJUSTED QUANTITY INDEXES; 1949 = 100)

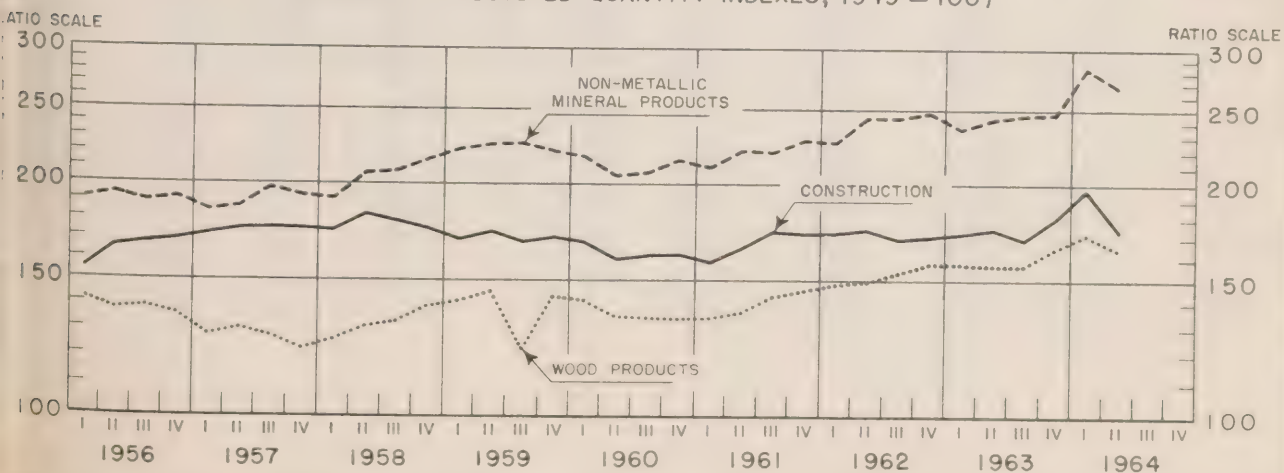


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.6
2	172.2	213.3	218.9	131.7	173.7	129.2	176.5	172.0
3								
4								
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.5
2	171.8	226.6	230.4	133.2	178.9	117.2	178.1	174.7
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1961 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.1
2	307.9	271.9	261.2	191.9	164.6	180.7	202.2	162.2
3								
4								
Without seasonal adjustment								
1961	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.1
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.1
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.1
1961 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.1
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.1
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.1
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.1
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.1
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.1
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.1
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.1
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.1
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.1
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.1
1964 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.1
2	290.3	285.3	254.7	200.7	165.6	186.0	236.1	163.1
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
Seasonally adjusted								
61 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
62 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
63 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
64 - 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	186.4
2	236.6	266.1	174.6	399.1	208.9	195.6	256.6	182.8
3								
4								
Without seasonal adjustment								
61	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
62	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
63	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
61 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.9
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
62 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3
63 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4
64 - 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	170.4
2	230.0	273.8	178.4	387.5	212.8	201.9	257.6	189.4
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industrial Production
1949 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1961 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
1962 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
1963 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
1964 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.7	175.5	201.4	190.1	169.3	194.4	194.2	211.8
3								
4								
Without seasonal adjustment								
1961	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
1962	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
1963	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1961 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.1
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.1
1962 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.1
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.1
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.1
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.1
1963 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.1
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.1
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.1
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.1
1964 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.1
2	207.1	180.2	202.9	190.5	169.4	197.3	194.5	214.1
3								
4								

(1) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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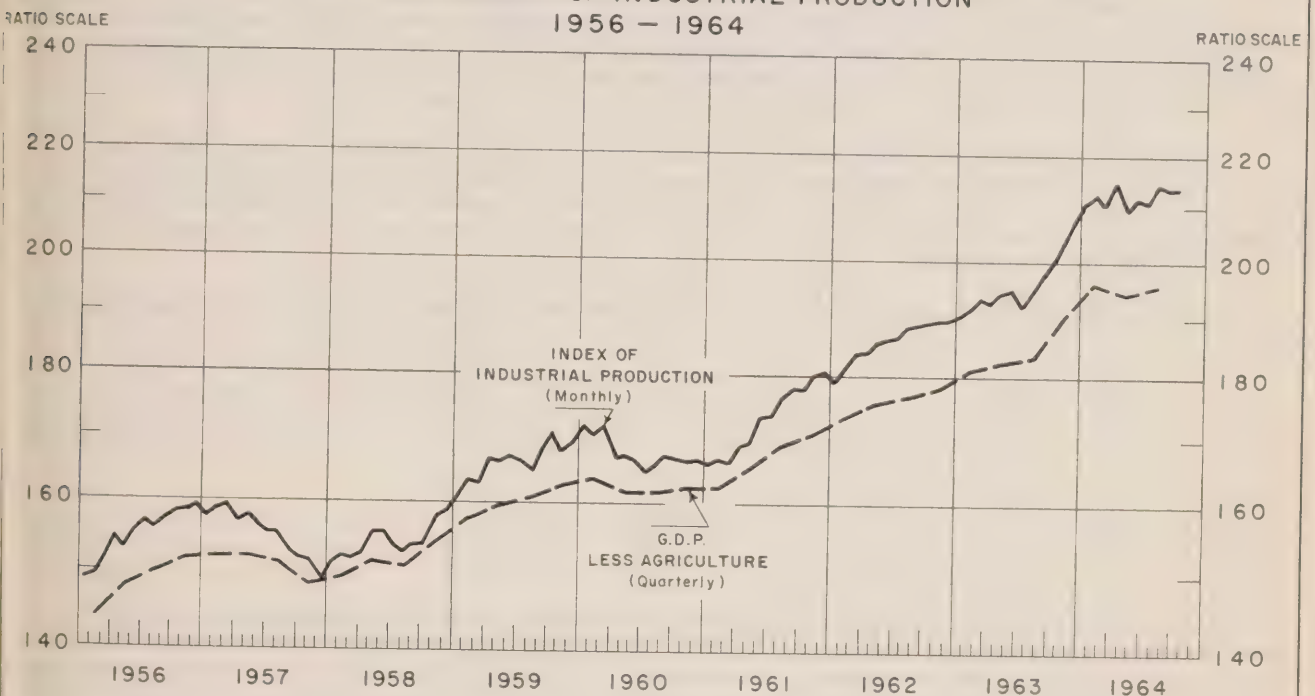
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

OCTOBER 1964

The seasonally adjusted index of industrial production advanced by 0.1 per cent in October. Non-agricultural real output increased by 0.8 per cent in the third quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION
1956 - 1964



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (3rd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

December 1964
205-502

OCTOBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production was marginally higher in October. Gain of approximately 3% in both mining and electric power and gas utilities were largely offset by a decline in manufacturing of 0.8%. In spite of this latter decline, the strength in manufacturing in October was fairly widespread; the big influence was a substantial drop in both motor vehicle and parts production reflecting layoffs in the industry caused by shortage of imported parts. This latter occurrence obscures the widespread gains made elsewhere and it may be useful to indicate the direct effects of the production declines in the motor vehicle and parts industries on higher industry aggregates. On the assumption that these two industries had shown no change from their September levels, seasonally adjusted, then durables would have been higher in October over the September level by 1.8% (rather than the actual 2.9% decline), manufacturing would have been up by 1.4% (rather than down by 0.8%) and total industrial production would have gained by 1.8% (versus 0.1%).

In durables in October, every major group but transportation equipment moved higher, with the largest contribution coming from iron and steel products (+2%), where, in particular, primary iron and steel was stronger, advancing by almost 5%. Gains of 3% in wood products and 4% in non-ferrous metal products were of almost equal importance in terms of contribution, the former reflecting higher sawmill and veneer output, the latter due to a big gain in smelting and refining production. Both electrical apparatus and supplies and non-metallic mineral products gained 1% in October.

In non-durables, where output advanced by more than 1% in October, the larger gains occurred in foods and beverages and petroleum products, (+3%), printing and publishing (+4%), pulp and paper (+2%) and chemicals (+1%). Some of the detailed industries within these groups showing gains were paints, petroleum refining, newsprint, pulp and paper, and the unpublished roofing paper component. On the other hand, October declines were recorded in rubber, clothing and textiles.

Although all three major components of mining were somewhat higher in October, the almost 5% advance in metals accounted for more than half the gain in total mining. Iron ore, copper, nickel and zinc were particularly strong in October, although it should be remembered that nickel was affected by the conclusion of a labour dispute in September in the industry. Elsewhere, fuel and non-metal mining were up by 2% and 6% respectively.

The strength in utilities in October was reflected in both central electric stations and gas utilities.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			May	June	July	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	209.4	211.3	210.9	214.3	213.4	213.6
MINING, TOTAL	3.245	2	321.1	329.5	316.0	313.7	308.1	317.8
Metals	1.925	2	215.7	212.9	200.0	206.0	201.2	210.3
Gold	0.624	5	89.8	89.3	93.4	95.2	91.5	90.1
Copper	0.356	4	187.1	184.6	186.5	191.7	173.6	191.8
Iron ore	0.099	3	948.5	810.0	815.3	833.6	825.9	904.7
Nickel	0.337	4	187.7	187.3	172.6	165.9	156.6	187.6
Non-metals	0.268	5	253.9	244.8	261.9	243.9	234.9	249.3
Asbestos	0.214	5	260.8	258.3	275.3	253.3	246.4	264.9
Fuels	0.915	3	552.5	584.7	559.1	547.6	540.3	550.6
Coal	0.553	6	53.4	63.9	51.5	59.7	55.0	53.3
Natural gas	0.035	2	1,400.6	1,457.7	1,518.9	1,492.1	1,380.3	1,400.4
Petroleum	0.327	3	1,304.2	1,370.4	1,313.1	1,270.1	1,269.7	1,299.1
MANUFACTURING, TOTAL	27.340	3	185.6	185.7	186.3	191.1	190.0	188.4
NON-DURABLE MANUFACTURES	14.742	3	180.9	183.3	181.4	184.9	184.6	186.6
Foods and beverages	3.814	4	172.0	169.9	170.8	173.1	169.7	174.5
Foods	2.896	4	167.4	166.3	166.4	169.2	166.8	171.4
Meat products	0.523	4	171.0	179.4	178.7	187.3	184.8	183.7
Dairy products	0.450	3	177.9	163.5	165.6	167.7	164.4	166.0
Canning and processing	0.453	4	187.3	177.2	172.6	160.9	166.6	180.2
Grain mill products	0.322	4	182.7	180.1	173.6	186.1	177.4	184.4
Bakery products	0.558	3	142.3	142.8	146.7	144.6	145.0	145.8
Miscellaneous foods	0.590	4	156.5	163.0	166.2	174.6	167.9	175.1
Beverages	0.918	6	186.6	181.3	184.8	185.3	178.9	184.1
Carbonated beverages	0.231	6	176.5	168.3	186.6	176.3	177.5	181.2
Breweries	0.463	6	164.0	166.0	162.6	169.9	155.6	158.6
Distilleries	0.203	6	255.2	235.7	235.3	234.9	237.9	251.3
Tobacco and tobacco products ..	0.248	6	209.5	216.9	211.1	232.4	227.5	227.8
Rubber products	0.430	3	209.6	217.7	198.2	210.4	215.5	204.4
Leather products	0.508	2	134.5	129.6	129.4	134.2	130.2	130.3
Boots and shoes	0.307	4	142.4	137.8	135.3	144.4	137.3	139.6
Textiles	1.623	3	169.4	170.4	169.5	174.4	174.2	172.5
Cotton goods	0.507	4	116.3	120.7	121.2	130.9	121.2	117.5
Wool goods	0.300	3	96.0	81.7	88.5	83.5	83.5	88.6
Synthetic Textiles and Silk	0.429	3	294.8	304.9	297.6	308.0	316.5	313.3
Clothing	1.801	3	121.1	135.8	139.1	136.7	138.8	134.7
Paper products	2.649	3	173.9	174.5	177.1	181.2	179.2	182.5
Pulp and paper	2.108	3	175.4	175.8	179.6	184.1	180.1	183.3

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			May	June	July	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	174.6	169.0	158.9	154.3	163.1	169.7
Products of petroleum and coal	0.513	3	296.4	322.2	308.7	307.7	292.5	301.5
Petroleum products	0.454	3	320.2	349.5	334.7	333.2	315.7	325.3
Chemicals and allied products	1.359	2	271.1	276.2	266.8	281.9	287.7	290.7
Acids, alkalies, salts and fertilizers	0.346	2	321.8	333.2	320.5	336.5	365.9	354.0
Miscellaneous manufactures	0.524	1	261.3	263.9	264.6	266.8	267.1	266.1
DURABLE MANUFACTURES	12.598	3	191.0	188.6	192.1	198.4	196.3	190.6
Wood products	2.108	2	165.6	154.4	160.1	169.5	163.4	168.7
Saw and planing mills	1.444	3	179.6	163.8	172.8	186.5	177.7	185.6
Veneers and plywoods	0.122	3	376.3	374.1	389.1	423.3	380.5	412.3
Sawmills	0.994	4	170.3	149.4	161.4	177.6	170.1	177.1
Furniture	0.460	2	159.1	157.4	155.3	155.0	154.3	153.8
Iron and steel products	4.026	2	181.7	176.4	180.4	183.5	180.4	184.2
Machinery	0.851	1	175.8	179.3	182.3	183.2	181.6	180.9
Iron castings	0.387	3	198.1	178.7	199.4	193.5	174.3	166.7
Primary iron and steel	0.845	2	243.8	236.9	239.3	245.6	240.8	252.6
Sheet metal products	0.359	1	161.4	162.5	157.6	159.9	160.9	165.6
Transportation equipment	2.651	4	197.8	203.3	210.0	221.7	220.1	176.6
Aircraft and parts	0.203	1	271.0	275.9	282.1	281.9	274.8	274.5
Motor vehicles	1.035	4	278.5	287.9	293.4	323.8	321.4	218.8
Motor vehicle parts	0.462	2	212.7	216.4	239.5	238.9	238.3	217.4
Railway rolling stock	0.621	1	46.9	47.6	47.7	47.6	46.1	46.0
Shipbuilding and repairs	0.261	1	179.1	187.1	188.6	185.2	184.6	186.4
Non-ferrous metal products	1.601	3	160.3	164.7	161.0	156.6	159.3	166.2
Brass and copper products ...	0.241	1	150.8	151.8	147.6	144.5	146.5	149.9
Smelting and refining	1.028	3	172.5	179.6	175.5	169.4	172.5	183.4
Electrical apparatus and supplies	1.418	2	239.2	232.6	234.9	244.0	242.6	245.8
Heavy electrical machinery ..	0.489	1	162.5	160.2	158.9	159.9	161.4	161.6
Telecommunication equipment	0.142	3	599.3	532.1	539.1	596.4	585.2	608.6
Refrigerators and appliances	0.227	3	236.7	227.1	236.8	249.2	246.4	255.1
Non-metallic mineral products	0.794	2	258.2	261.7	262.4	275.3	276.2	278.8
Concrete products	0.098	4	740.7	781.1	781.9	855.5	832.4	829.2
Hydraulic cement	0.117	5	270.5	252.5	262.2	260.9	269.5	285.9
Domestic clay products	0.083	3	151.5	138.6	142.0	148.5	140.2	145.2
ELECTRIC POWER AND GAS UTILITIES	1.646	2	384.5	403.5	412.2	403.7	416.1	426.9
Electric power	1.480	2	351.7	360.1	373.0	367.8	378.2	383.0
Gas	0.166	3	678.5	792.9	763.4	725.4	756.4	815.0

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	190.3	204.8	207.6	207.3	219.9	221.2
MINING, TOTAL	287.4	294.4	294.8	318.4	311.4	318.3	327.5	329.5
Metals	197.7	193.8	197.8	219.5	206.7	219.9	220.7	220.7
Gold	100.1	95.5	93.5	98.3	97.0	92.6	89.7	91.3
Copper	176.7	174.0	822.7	1,034.2	807.1	199.4	178.8	189.9
Iron ore	632.5	670.8	179.3	193.6	190.1	1,042.0	1,156.2	1,040.4
Nickel	184.2	171.0	168.6	173.2	170.5	168.4	161.3	185.9
Non-metals	222.5	228.1	244.1	251.7	256.4	249.1	252.8	272.2
Asbestos	234.1	239.1	256.9	264.1	264.3	255.8	259.7	281.9
Fuels	480.8	513.6	486.0	513.5	518.1	512.2	539.8	542.5
Coal	48.8	52.0	32.3	53.8	58.4	35.2	57.7	62.4
Natural gas	1,005.7	1,179.8	984.4	1,087.9	1,145.2	1,193.7	1,228.5	1,288.4
Petroleum	1,154.0	1,221.6	1,198.7	1,228.1	1,227.1	1,244.7	1,279.9	1,273.1
MANUFACTURING, TOTAL	164.9	173.9	170.0	183.3	186.1	185.6	197.8	197.5
NON-DURABLE MANUFACTURES	164.8	172.2	179.1	185.0	187.1	189.9	196.8	198.4
Foods and beverages	158.9	162.1	183.5	180.4	184.1	191.9	189.6	196.2
Foods	154.8	157.2	175.2	178.2	183.4	186.8	188.3	195.1
Meat products	159.2	163.6	154.9	171.4	178.6	177.4	190.2	196.0
Dairy products	159.3	163.5	182.8	181.1	159.8	187.3	182.5	162.7
Canning and processing	164.7	165.4	273.7	259.7	266.2	276.8	269.7	275.2
Grain mill products	137.5	145.9	141.3	149.8	157.9	184.6	180.3	187.8
Bakery products	145.4	138.8	145.9	143.7	141.4	151.0	150.5	151.7
Miscellaneous foods	158.3	164.3	157.9	167.5	195.7	160.9	168.7	202.8
Beverages	171.9	177.6	210.0	187.4	186.4	208.2	193.6	199.5
Carbonated beverages	173.0	178.7	239.0	182.3	150.2	224.2	192.6	154.0
Breweries	156.3	159.9	173.5	155.9	146.3	181.8	147.2	152.3
Distilleries	210.0	220.3	268.9	251.4	315.5	258.4	287.9	358.1
Tobacco and tobacco products	203.7	207.7	204.2	192.3	205.4	230.5	236.6	233.3
Rubber products	167.6	190.5	150.6	200.0	201.1	159.9	237.0	216.3
Leather products	126.7	127.0	127.9	132.5	129.8	135.7	135.3	131.0
Boots and shoes	137.7	136.9	140.1	144.1	138.5	148.9	143.1	136.7
Textiles	146.6	159.5	154.4	170.9	173.3	164.5	180.2	179.2
Cotton goods	105.3	109.6	109.4	120.9	124.0	121.9	128.1	128.1
Wool goods	84.9	89.8	90.4	97.4	106.1	81.8	92.1	97.4
Synthetic textiles and silk	243.6	281.0	263.0	301.9	298.9	283.4	323.8	314.6
Clothing	111.0	137.0(1)	159.9	160.0	168.9	163.0	163.5	160.4
Paper products	159.1	164.3	168.9	172.3	173.0	184.4	185.1	188.4
Pulp and paper	158.6	163.8	166.8	171.0	172.4	185.6	185.0	189.2

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	149.9	164.2	167.4	147.3	168.6	171.0
Products of petroleum and coal	272.8	296.0	302.9	327.1	306.1	317.0	303.8	298.0
Petroleum products	294.3	319.7	327.5	354.9	331.1	343.2	328.3	303.0
Chemicals and allied products	233.2	249.1	250.4	255.1	254.6	277.2	293.3	298.0
Acids, alkalies, salts and fertilizers	266.0	302.0	304.1	305.2	306.2	316.3	360.4	365.0
Miscellaneous manufactures	237.2	246.6	249.7	258.5	263.0	268.9	278.3	283.0
DURABLE MANUFACTURES	165.0	175.9	159.3	181.4	184.8	180.6	199.1	204.0
Wood products	151.5	159.0	167.7	171.0	162.0	178.9	174.4	179.0
Saw and planing mills	161.1	172.1	182.8	185.5	172.7	198.0	189.7	194.0
Veneers and plywoods	329.8	358.8	320.7	395.7	384.9	380.1	405.2	410.0
Sawmills	149.6	162.3	178.2	173.2	156.8	194.8	180.3	185.0
Furniture	152.5	153.0	157.1	163.3	163.2	159.8	165.0	169.0
Iron and steel products	152.1	161.8	160.4	170.1	169.5	184.0	189.1	194.0
Machinery	149.1	160.2	160.8	162.3	165.1	183.4	185.4	190.0
Iron castings	135.5	151.1	140.8	148.4	149.5	180.0	183.0	188.0
Primary iron and steel	193.0	216.9	211.1	228.4	227.9	240.7	247.3	252.0
Sheet metal products	157.3	156.9	169.5	167.0	159.7	174.3	176.5	181.0
Transportation equipment	156.7	181.4	88.9	157.6	185.9	117.1	189.5	194.0
Aircraft and parts	260.0	233.8	222.6	233.8	244.3	274.0	274.3	279.0
Motor vehicles	206.9	257.6	36.6	199.6	262.2	68.0	247.5	252.0
Motor vehicle parts	146.6	179.5	155.1	178.0	189.3	215.0	227.6	232.0
Railway rolling stock	41.5	41.1	41.3	42.6	44.1	48.2	47.3	47.0
Shipbuilding and repairs	186.9	197.2	187.4	187.5	192.8	185.2	186.4	191.0
Non-ferrous metal products	148.9	148.8	150.3	152.3	153.8	156.9	160.1	165.0
Brass and copper products ...	126.9	133.4	140.9	140.8	139.5	149.4	150.5	155.0
Smelting and refining	164.2	161.6	161.0	163.3	165.8	167.9	171.5	176.0
Electrical apparatus and supplies	212.9	223.5	218.1	240.6	240.7	239.4	257.6	262.0
Heavy electrical machinery ..	149.8	154.3	153.8	154.5	155.3	161.3	164.9	169.0
Telecommunication equipment	524.1	546.9	538.4	652.3	678.5	580.9	654.8	659.0
Refrigerators and appliances	198.4	221.6	191.7	238.9	220.3	219.3	261.9	266.0
Non-metallic mineral products	240.9	243.0	279.4	298.5	283.0	322.4	321.2	326.0
Concrete products	655.0	652.3	787.9	954.1	815.9	1,107.0	1,057.1	1,002.0
Hydraulic cement	241.9	246.0	329.2	318.4	336.0	341.8	350.9	355.0
Domestic clay products	148.1	136.7	145.6	159.6	155.3	163.3	162.3	167.0
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	321.6	337.9	360.0	348.6	375.1	380.0
Electric power	313.1	339.2	315.5	327.4	347.0	338.4	359.3	364.0
Gas	558.3	620.1	376.4	432.3	476.5	439.6	516.6	521.0

Real Domestic Product less Agriculture

Note to Users

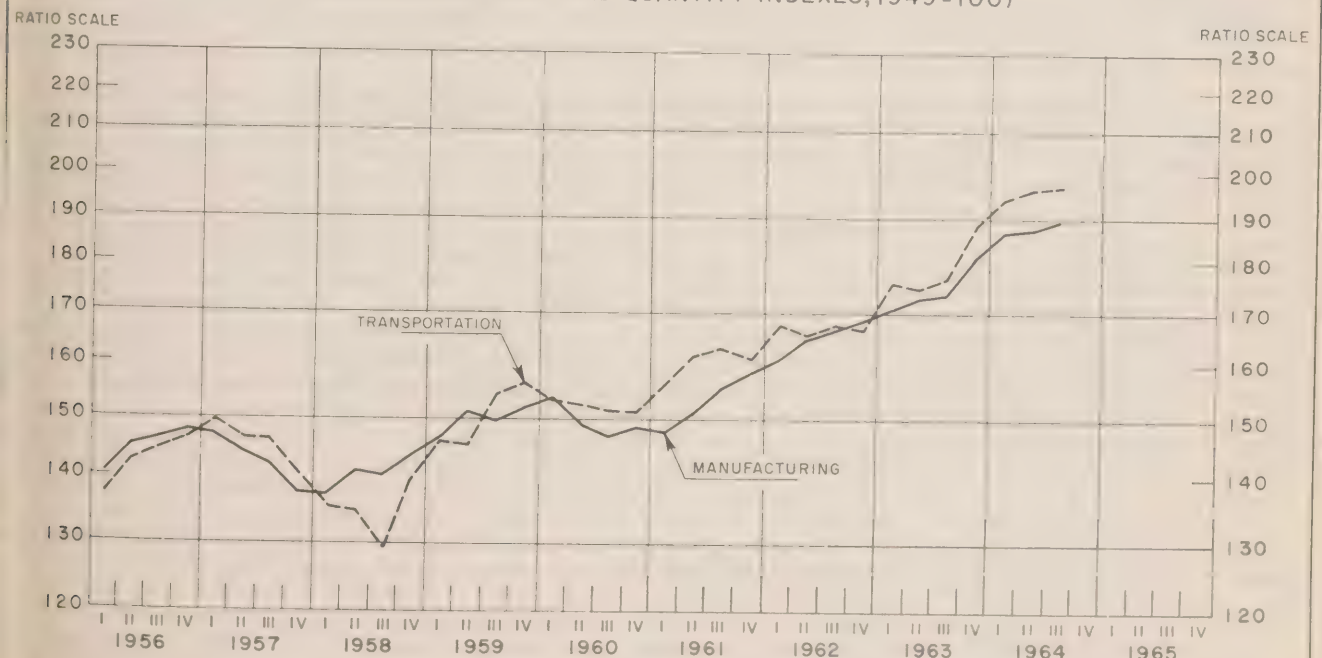
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1964

Seasonally adjusted non-agricultural real output for the third quarter of 1964 was almost 1 per cent higher than in the preceding quarter.(1) This increase, which followed a 1 per cent decline in the second quarter and sharp gains in the six month period ending in March, 1964, brought the non-agricultural output aggregate to a level almost 21 per cent above its first quarter, 1961, cyclical

	1Q'61 - Year 1963		1Q'61 - 1Q'64		1Q'61 - II Q'64		1Q'61 - III Q'64	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	+ 13.5	+ 13.5	+ 21.0	+ 21.0	+ 19.9	+ 19.9	+ 20.8	+ 20.8
Forestry	+ 15.9	+ .3	+ 29.6	+ .5	+ 18.2	+ .3	+ 29.6	+ .6
Fishing and trapping ..	- 11.8	- .1	- 6.1	--	- 18.1	- .1	- 13.2	- .1
Mining	+ 17.3	+ 1.0	+ 29.9	+ 1.7	+ 29.1	+ 1.6	+ 24.6	+ 1.4
Manufacturing	+ 17.7	+ 5.0	+ 26.4	+ 7.4	+ 26.7	+ 7.4	+ 28.0	+ 7.8
Non-durable	+ 12.3	+ 1.9	+ 18.3	+ 2.9	+ 19.5	+ 3.0	+ 19.8	+ 3.1
Durable	+ 24.5	+ 3.0	+ 36.6	+ 4.5	+ 35.8	+ 4.4	+ 38.4	+ 4.7
Construction	+ 9.5	+ .7	+ 24.2	+ 1.7	+ 10.9	+ .8	+ 9.9	+ .7
Electric power and gas utilities	+ 20.8	+ .7	+ 28.4	+ 1.0	+ 31.2	+ 1.1	+ 35.1	+ 1.2
Transportation, storage and communication ...	+ 14.1	+ 1.4	+ 22.4	+ 2.2	+ 24.5	+ 2.4	+ 24.9	+ 2.4
Transportation	+ 14.6	+ 1.0	+ 24.1	+ 1.7	+ 25.8	+ 1.8	+ 26.0	+ 1.8
Trade	+ 11.8	+ 1.8	+ 20.3	+ 3.2	+ 17.9	+ 2.8	+ 19.2	+ 3.0
Wholesale	+ 17.3	+ .9	+ 30.5	+ 1.6	+ 26.8	+ 1.4	+ 26.4	+ 1.4
Retail	+ 8.9	+ .9	+ 15.0	+ 1.5	+ 13.2	+ 1.4	+ 15.5	+ 1.6
Finance, insurance and real estate	+ 12.4	+ 1.4	+ 15.9	+ 1.7	+ 16.4	+ 1.8	+ 17.7	+ 1.9
Public administration and defence	+ 3.1	+ .2	+ 4.3	+ .3	+ 4.4	+ .3	+ 4.2	+ .2
Community, recreation, business and personal service	+ 10.7	+ 1.1	+ 12.8	+ 1.3	+ 13.7	+ 1.4	+ 14.8	+ 1.6

The above table shows per cent changes for the major industry groupings from the cyclical trough early in 1961 to the levels attained in each of the first three quarters of 1964 and to the level for the year 1963. The table also shows, for the same periods, the effect of the changes in the components on total non-agricultural output. As can be seen, the largest contributor to the expansion is manufacturing which increased by 28 per cent; this would have raised non-agricultural output by 7.8 per cent, if the output of all the other industries in the third quarter of 1964 had remained at the same level as in the first quarter of 1961. The next largest contributor to the expansion was trade, followed by the transportation, storage and communication group. The above three industry groups constitute that part of the economy which has been most sensitive to cyclical fluctuations during the post-war period, and together they account for more than one half of total production. However, trade, particularly retail trade, has increased more slowly during the current expansion than either transportation or manufacturing. The 38 per cent gain in durable manufacturing exceeded the increases in most of the other components, as well as its own very substantial gains achieved during the 1954-56 expansion. Sustained growth in motor vehicle production (a 126 per cent increase from the first quarter of 1961 to the third quarter of 1964) was the most important single factor contributing to this growth in the output of durables. The less cyclically sensitive industries such as the finance, insurance, real estate and the community, recreation, business and personal service groups continued to expand throughout the period and to exert a steadying influence on the economy, increasing or decreasing their share of the total gain in each period, depending on the fortunes of the other industries.

(1) For the first nine months of 1964, compared with the same period of 1963, non-agricultural output was 7 per cent higher. Up to the end of October, the monthly Index of Industrial Production, which covers more than one third of the non-agricultural economy, was about 9 per cent higher than in the first ten months of 1963.

The longer term significance of the gains made by each industry during the current expansion are best assessed by comparing the increases in its output (measured from the preceding cyclical peak in aggregate production) with those achieved by the same industries over the course of other cycles. The following table sets out these comparisons for the three most recent upswings. It should be kept in mind, however, that the first two cycles are measured from peak to peak, that is, both had run their full course during the 13 quarter span being measured, while currently, eighteen quarters after the last cyclical peak, non-agricultural real output was still expanding. As indicated in the table, expansion was particularly strong in transportation and durable manufacturing, which gained new ground following a slowdown in growth during the 1957-61 period. The finance, insurance and real estate and the community, recreation, business and personal services groups were the only other industries to have made larger gains during the current expansion than over the 1953-56 period.

	3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %		3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %
	Δ	Δ	Δ		Δ	Δ	Δ
Gross domestic product				Trade	+ 20.7	+ 6.9	+ 17.5
Less agriculture	+ 20.4	+ 7.9	+ 20.0	Wholesale	+ 20.8	+ 11.0	+ 17.6
Forestry	+ 19.0	+ 1.3	+ 15.7	Retail	+ 20.6	+ 4.7	+ 17.4
Fishing and trapping ..	+ 1.8	- 18.4	+ 42.1	Finance, insurance and			
Mining	+ 54.3	+ 17.4	+ 20.2	real estate	+ 16.9	+ 15.5	+ 21.8
Manufacturing	+ 17.4	+ 3.8	+ 23.1	Public administration			
Non-durable	+ 15.9	+ 9.9	+ 19.3	and defence	+ 10.4	+ 9.1	+ 9.1
Durable	+ 19.0	- 2.7	+ 27.7	Community, recreation,			
Electric power and gas				business and personal			
utilities	+ 43.4	+ 37.2	+ 40.7	service	+ 12.1	+ 12.2	+ 17.4
Transportation, storage				Index of Industrial			
and communication ...	+ 26.4	+ 7.9	+ 27.8	Production	+ 23.0	+ 8.0	+ 24.2
Transportation	+ 25.7	+ 4.7	+ 28.2	Employed non-agricultural			
				labour force(1)	+ 11.5	+ 7.2	+ 14.1

.) Canadian Statistical Review, p. S-1, DBS Cat. No. 11-003.

Turning to developments in the third quarter of 1964, it is interesting to note that gains were fairly widespread, in contrast to the rather exceptional influences at work during the first and second quarters of this year, when construction and related industries accounted for the bulk of the change.

Manufacturing, which increased by 1 per cent, was the largest single contributor to the third quarter gain in non-agricultural output. This was almost entirely the result of an increase of about 2 per cent in durables. Quarterly gains of this or greater magnitude have been recorded in durables 9 out of 14 quarters of this expansion, but a 2 per cent rate is well above the average rate of growth for the post-war period.

Within durables, transportation equipment showed the largest gain, over 7 per cent, with all components contributing. However, motor vehicles (+8%) and motor vehicle parts (+12%) accounted for the major portion of the gain. Thus motor vehicle production in the third quarter was almost 2 per cent above its first quarter level, following a decline in the second quarter. Gains were also recorded in the electrical apparatus and supplies group (+2%), and the non-metallic mineral products group (+2%), largely as a result of a 5 per cent increase in the output of the refrigerator and appliances industry in the former group and substantial gains in the production of gypsum, lime and concrete products in the latter group. The iron and steel products group showed a fractional gain in the quarter, as declines in primary iron and steel (-1%) and some other components were offset by a 3 per cent increase in machinery and some gains elsewhere.

Non-durable manufacturing increased only fractionally. The largest contributions to this increase came from the 6 per cent gain in clothing and the 3 per cent gain in chemicals. Tobacco products and some components of paper products, such as pulp and paper and roofing paper also increased. These gains were counteracted by declines, ranging from 1 to 8 per cent which occurred in foods and beverages, rubber products, petroleum products and printing and publishing. The last industry was affected by labour disputes during the quarter.

Within trade, a slight decline in wholesale trade was more than offset by a 2 per cent gain at the retail level, resulting in a one per cent expansion in total trade output. At the retail level, motor vehicle dealers, clothing stores and department stores, with increases of up to 6 per cent, accounted for most of the gain.

Further increases occurred in finance, insurance and real estate (+1%), the community, business, recreation and personal service group (+1%) and electric power and gas utilities (+3%), which jointly contributed as much to the gain in non-agricultural output as did manufacturing. Forestry, with an increase of nearly 10 per cent, returned to its first quarter level following a decline in the second quarter. Transportation, storage and communication increased fractionally, as a result of gains in the communication and transportation components, while storage of grain showed a small decline. Within transportation, increases in the output of the oil and gas pipelines and air transport industries counteracted the decline in water transportation, which represented a drop from high levels of output earlier in the year when the shipping industry was engaged in moving exceptionally large quantities of grain for export. Railway transport increased fractionally.

Small decreases in output occurred in public administration and defence and in construction which returned to the output levels it had more or less maintained since 1961, except for the sharp gains during the winter months of 1963-64. Mining declined by almost 4 per cent, with all three components showing decreases in the third quarter. However, the major portion of the drop in mining can be accounted for by a decline in the "other" component of metal mining, which reflected curtailments in uranium mining operations.

For the first nine months of 1964 real domestic product less agriculture was 7 per cent higher than in the corresponding period of 1963. However, because of the pattern of non-agricultural production during 1963 and 1964, an annual comparison might differ significantly from a 9 month comparison. For example, if it is assumed that the fourth quarter of 1964 remains at the same level, seasonally adjusted, as the third quarter, then the year 1964 would be up by 6.2 per cent; if the fourth quarter is up one per cent, the year would be up 6.5 per cent; if down one per cent, the year would be up 6 per cent.

About one third of the aggregate increase in the first three quarters of 1964 was accounted for by a 9 per cent gain in manufacturing. Durable manufacturing, in particular, expanded rapidly during this period (+11%), largely as a result of the gains in iron and steel production and in the output of the motor vehicles and parts industries, both of which increased by more than 20 per cent. Other industry groups registering increases of about 11 per cent were transportation, storage, electric power and gas utilities and forestry. Mining and wholesale trade increased by about 10 per cent, while non-durable manufacturing and retail trade showed gains of 7 and 6 per cent, respectively. Construction, which expanded sharply in the first quarter, showed a 5 per cent increase in the nine month comparison, as the initial gains were offset by declines in the second and third quarters.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1961 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	196.2	167.0	133.3	325.8	222.4	232.4	542.9	186.7	181.3
2	194.5	152.4	116.2	323.9	216.8	253.0	556.7	187.2	183.2
3	196.0	167.0	123.1	312.6	202.4	246.9	549.0	189.1	183.6
Without seasonal adjustment									
1961	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1961 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.4
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	140.4	78.8	312.5	197.5	218.7	588.3	181.0	174.4
2	197.2	138.9	118.3	322.0	224.3	257.4	526.9	191.7	184.0
3	199.5	197.5	168.2	319.8	214.7	246.9	527.4	186.0	186.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.6
2	172.3	213.3	218.9	131.9	173.7	129.2	176.4	172.1
3	171.2	223.7	208.0	131.3	172.7	138.2	179.2	158.8
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.5
2	171.9	226.6	230.4	133.4	178.9	117.2	178.1	174.7
3	187.9	211.1	186.5	122.2	159.6	148.2	180.8	155.5

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
61 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
62 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
63 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
64 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.7	261.2	191.9	164.6	180.8	202.3	162.2
3	303.0	278.8	266.2	195.6	164.3	181.4	217.3	159.0
	Without seasonal adjustment							
61	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
62	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
63	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
61 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
62 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
63 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
64 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.5
2	290.3	285.2	254.7	200.8	165.6	186.2	236.2	163.0
3	308.0	272.6	269.7	185.8	174.0	182.7	149.3	157.6

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.56
Seasonally adjusted								
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.
1964 - 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	186
2	236.4	266.3	175.7	399.1	209.4	196.3	256.6	182
3	240.5	271.3	174.2	410.7	210.1	196.5	254.9	184
Without seasonal adjustment								
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	196
1964 - 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	170
2	229.7	274.0	179.5	387.5	213.4	202.6	257.6	189
3	238.6	316.6	217.6	357.0	222.6	214.3	262.0	177

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industrial Production
9 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.3	175.5	201.5	190.6	169.4	194.5	194.5	211.8
3	195.6	179.0	203.7	190.2	171.1	196.1	195.1	212.9
Without seasonal adjustment								
1	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
2	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
3	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
2 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
3 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
4 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.4
2	206.7	180.2	202.9	190.9	169.5	197.5	194.8	214.8
3	183.4	173.7	207.2	197.4	175.5	199.5	199.6	208.2

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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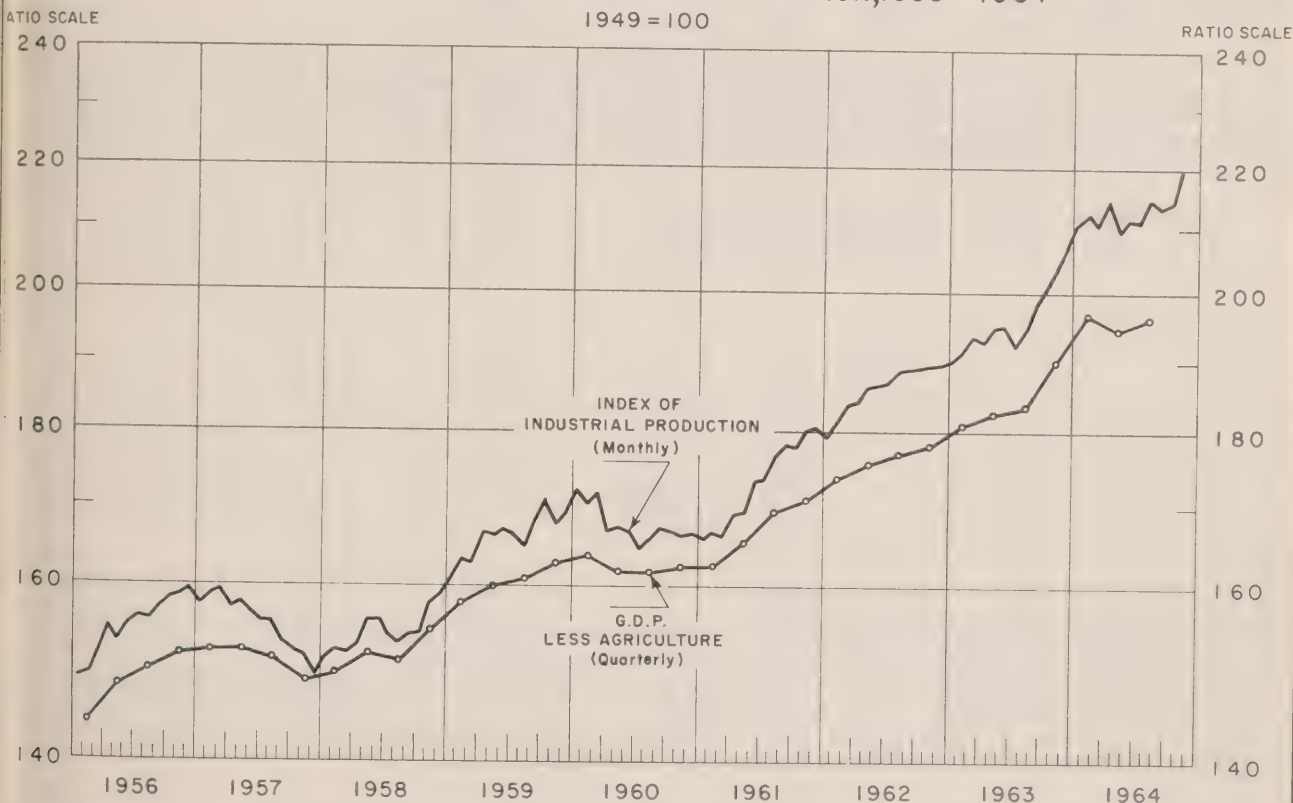
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

NOVEMBER 1964

The seasonally adjusted index of industrial production advanced by 2.5 per cent in November.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956 - 1964

1949 = 100



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (3rd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

January 1965
61-005-502

NOVEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production in November advanced by 2.5%, recording its largest monthly gain in 1964. This left the index at the record level of 219.6 in the month, exceeding the previous peak in April, 1964 by 2.3%.

In November, the bulk of the gain in the total index originated in manufacturing, where output was up by 2.7%, although the gain in mining of 4.5% also contributed heavily. These gains were offset to a very small extent by a 1.9% drop in electric power and gas utilities.

A gain of 3.7% in durables accounted for almost two-thirds of the strength in manufacturing in November. In turn, about half of the advance in durables came from transportation equipment. It should be remembered that the motor vehicles industries were much less affected by labour disputes in November than in October, and in spite of the gain in November, the production level was still well below those prior to the dispute. Further, the December level will be even lower than October. Aside from the above element, a major influence in November was strength in the construction materials-producing industries; non-metallic mineral products increased by almost 6% and wood products by 2%, presumably in part at least due to the imposition of the last stage of the sales tax at the end of the year. There was also a large gain in iron and steel products of more than 3%, with almost all components moving higher. Elsewhere, non-ferrous metal products and electrical apparatus and supplies showed little change.

The 1.9% increase in non-durables was similarly diffused among its components, with gains of 2% in paper products and textiles, 3% in clothing and foods and beverages, 4% in chemicals and 8% in rubber products. Declines were recorded in tobacco, printing and publishing and petroleum refining. The most significant highlights among the non-durable detailed components were large gains in pulp and paper and brewery production.

The output of virtually every mineral was higher in November with the result that fuels advanced by 6%, metals by 3%, and non-metals by 4%.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. The figures in Tables 1 and 2 may not reconcile with those on the Index of Industrial Production in Table 3 because of small revisions in September which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			June	July	Aug.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	211.3	210.9	214.3	213.5	214.2	219.6
MINING,	3.245	2	329.5	316.0	313.7	308.1	319.9	334.2
Metals	1.925	2	212.9	200.0	206.0	201.2	211.3	217.9
Gold	0.624	5	89.3	93.4	95.2	91.5	90.1	94.9
Copper	0.356	4	184.6	186.5	191.7	173.6	191.8	193.2
Iron ore	0.099	3	810.0	815.3	833.6	825.9	904.7	958.7
Nickel	0.337	4	187.3	172.6	165.9	156.6	187.6	190.6
Non-metals	0.268	5	244.8	261.9	243.9	234.9	249.3	260.3
Asbestos	0.214	5	258.3	275.3	253.3	246.4	264.9	273.3
Fuels	0.915	3	584.7	559.1	547.6	540.3	553.0	585.7
Coal	0.553	6	63.9	51.5	59.7	55.0	53.3	51.9
Natural gas	0.035	2	1,457.7	1,518.9	1,492.1	1,380.3	1,400.4	1,449.6
Petroleum	0.327	3	1,370.4	1,313.1	1,270.1	1,269.7	1,305.8	1,394.5
MANUFACTURING, TOTAL	27.340	3	185.7	186.3	191.1	190.1	188.9	194.0
NON-DURABLE MANUFACTURES	14.742	3	183.3	181.4	184.9	184.7	186.6	190.1
Foods and beverages	3.814	4	169.9	170.8	173.1	170.0	174.2	179.2
Foods	2.896	4	166.3	166.4	169.2	167.2	171.2	173.3
Meat products	0.523	4	179.4	178.7	187.3	184.8	183.7	183.9
Dairy products	0.450	3	163.5	165.6	167.7	164.4	166.0	178.6
Canning and processing	0.453	4	177.2	172.6	160.9	167.4	177.7	176.0
Grain mill products	0.322	4	180.1	173.6	186.1	177.4	183.9	184.0
Bakery products	0.558	3	142.8	146.7	144.6	145.3	147.1	147.1
Miscellaneous foods	0.590	4	163.0	166.2	174.6	168.5	175.2	176.6
Beverages	0.918	6	181.3	184.8	185.3	178.9	183.6	197.9
Carbonated beverages	0.231	6	168.3	186.6	176.3	177.5	181.2	196.2
Breweries	0.463	6	166.0	162.6	169.9	155.6	158.6	180.4
Distilleries	0.203	6	235.7	235.3	234.9	237.9	251.3	243.4
Tobacco and tobacco products ..	0.248	6	216.9	211.1	232.4	227.5	227.8	221.4
Rubber products	0.430	3	217.7	198.2	210.4	215.5	204.4	220.3
Leather products	0.508	2	129.6	129.4	134.2	130.5	130.8	131.1
Boots and shoes	0.307	4	137.8	135.3	144.4	137.3	139.6	
Textiles	1.623	3	170.4	169.5	174.4	174.2	172.8	176.9
Cotton goods	0.507	4	120.7	121.2	130.9	121.2	118.2	122.4
Wool goods	0.300	3	81.7	88.5	83.5	83.5	88.6	83.2
Synthetic Textiles and Silk	0.429	3	304.9	297.6	308.0	316.5	313.3	327.6
Clothing	1.801	3	135.8	139.1	136.7	138.8	136.5	140.5
Paper products	2.649	3	174.5	177.1	181.2	179.2	182.6	186.7
Pulp and paper	2.108	3	175.8	179.6	184.1	180.1	183.3	188.1

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			June	July	Aug.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES - Concluded:								
Printing, publishing and allied industries	1.273	4	169.0	158.9	154.3	163.1	169.4	166.4
Products of petroleum and coal	0.513	3	322.2	308.7	307.7	292.5	298.5	288.2
Petroleum products	0.454	3	349.5	334.7	333.2	315.7	322.0	310.0
Chemicals and allied products	1.359	2	276.2	266.8	281.9	287.6	290.1	300.4
Acids, alkalies, salts and fertilizers	0.346	2	333.2	320.5	336.5	365.9	354.0	364.8
Miscellaneous manufactures	0.524	1	263.9	264.6	266.8	267.1	265.0	263.8
DURABLE MANUFACTURES	12.598	3	188.6	192.1	198.4	196.4	191.5	198.6
Wood products	2.108	2	154.4	160.1	169.5	163.6	169.4	172.1
Saw and planing mills	1.444	3	163.8	172.8	186.5	177.7	185.4	188.4
Veneers and plywoods	0.122	3	374.1	389.1	423.3	380.5	412.3	420.5
Sawmills	0.994	4	149.4	161.4	177.6	170.1	177.1	179.8
Furniture	0.460	2	157.4	155.3	155.0	155.0	157.0	159.7
Iron and steel products	4.026	2	176.4	180.4	183.5	180.6	186.2	191.9
Machinery	0.851	1	179.3	182.3	183.2	181.9	183.2	185.4
Iron castings	0.387	3	178.7	199.4	193.5	174.3	170.8	183.8
Primary iron and steel	0.845	2	236.9	239.3	245.6	240.8	252.6	255.0
Sheet metal products	0.359	1	162.5	157.6	159.9	161.4	168.1	173.3
Transportation equipment	2.651	4	203.3	210.0	221.7	220.2	177.3	194.3
Aircraft and parts	0.203	1	275.9	282.1	281.9	274.9	271.7	279.3
Motor vehicles	1.035	4	287.9	293.4	323.8	321.4	218.8	255.5
Motor vehicle parts	0.462	2	216.4	239.5	238.9	238.2	217.1	222.2
Railway rolling stock	0.621	1	47.6	47.7	47.6	46.6	47.8	49.5
Shipbuilding and repairs	0.261	1	187.1	188.6	185.2	184.4	190.5	196.7
Non-ferrous metal products	1.601	3	164.7	161.0	156.6	159.3	166.1	165.7
Brass and copper products ...	0.241	1	151.8	147.6	144.5	146.7	151.1	153.7
Smelting and refining	1.028	3	179.6	175.5	169.4	172.5	183.4	181.7
Electrical apparatus and supplies	1.418	2	232.6	234.9	244.0	242.9	246.2	248.5
Heavy electrical machinery ..	0.489	1	160.2	158.9	159.9	161.4	162.2	162.6
Telecommunication equipment	0.142	3	532.1	539.1	596.4	585.2	609.6	623.3
Refrigerators and appliances	0.227	3	227.1	236.8	249.2	246.9	253.9	248.3
Non-metallic mineral products	0.794	2	261.7	262.4	275.3	276.3	278.3	294.7
Concrete products	0.098	4	781.1	781.9	855.5	832.4	829.2	926.4
Hydraulic cement	0.117	5	252.5	262.2	260.9	269.5	285.9	304.9
Domestic clay products	0.083	3	138.6	142.0	148.5	140.2	145.3	156.3
ELECTRIC POWER AND GAS UTILITIES	1.646	2	403.5	412.2	403.7	416.1	426.9	418.7
Electric power	1.480	2	360.1	373.0	367.8	378.2	383.6	385.3
Gas	0.166	3	792.9	763.4	725.4	756.4	815.0	717.9

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	204.8	207.6	210.8	220.0	221.7	226.7
MINING,	287.4	294.4	318.4	311.4	306.7	327.5	331.6	332.0
Metals	197.7	193.8	219.5	206.7	201.7	220.7	221.3	210.2
Gold	100.1	95.5	98.3	97.0	96.5	89.7	91.3	98.2
Copper	176.7	174.0	193.6	190.1	195.9	178.8	189.9	211.6
Iron ore	632.5	670.8	1,034.2	807.1	663.3	1,156.2	1,040.4	719.0
Nickel	184.2	171.0	173.2	170.5	170.2	161.3	185.9	201.8
Non-metals	222.5	228.1	251.7	256.4	274.4	252.8	272.2	286.2
Asbestos	234.1	239.1	264.1	264.3	288.6	259.7	281.9	297.6
Fuels	480.8	513.6	513.5	518.1	522.1	539.8	544.8	580.3
Coal	48.8	52.0	53.8	58.4	61.9	57.7	62.4	66.4
Natural gas	1,005.7	1,179.8	1,087.9	1,145.2	1,330.6	1,228.5	1,288.4	1,520.6
Petroleum	1,154.0	1,221.6	1,228.1	1,227.1	1,212.5	1,279.9	1,279.7	1,347.1
MANUFACTURING, TOTAL	164.9	173.9	183.3	186.1	187.6	197.9	197.9	201.7
NON-DURABLE MANUFACTURES	164.8	172.2	185.0	187.1	184.2	196.8	198.4	199.0
Food and beverages	158.9	162.1	180.4	184.1	178.3	189.9	195.6	192.2
Food products	154.8	157.2	178.2	183.4	169.6	188.7	194.5	183.2
Meat products	159.2	163.6	171.4	178.6	190.6	190.2	196.0	207.4
Dairy products	159.3	163.5	181.1	159.8	143.2	182.5	162.7	155.9
Canning and processing	164.7	165.4	259.7	266.2	179.4	271.1	270.4	188.7
Grain mill products	137.5	145.9	149.8	157.9	167.2	180.3	187.3	193.3
Bakery products	145.4	138.8	143.7	141.4	139.8	150.9	152.9	152.1
Miscellaneous foods	158.3	164.3	167.5	195.7	193.0	169.3	202.8	202.5
Beverages	171.9	177.6	187.4	186.4	205.8	193.6	198.7	220.4
Carbonated beverages	173.0	178.7	182.3	150.2	180.6	192.6	154.0	180.5
Breweries	156.3	159.9	155.9	146.3	170.2	147.2	152.3	185.4
Distilleries	210.0	220.3	251.4	315.5	323.6	287.9	358.1	352.9
Tobacco and tobacco products	203.7	207.7	192.3	205.4	219.4	236.6	233.3	236.2
Rubber products	167.6	190.5	200.0	201.1	211.4	237.0	216.3	240.4
Leather products	126.7	127.0	132.5	129.8	135.1	135.5	131.6	134.8
Boots and shoes	137.7	136.9	144.1	138.5	144.2	143.1	136.7	
Textiles	146.6	159.5	170.9	173.3	172.3	180.3	179.4	184.8
Cotton goods	105.3	109.6	120.9	124.0	124.0	128.1	128.8	130.7
Wool goods	84.9	89.8	97.4	106.1	98.9	92.1	97.4	89.9
Synthetic textiles and silk	243.6	281.0	301.9	298.9	298.6	323.8	314.6	336.8
Other	111.0	137.0(1)	160.0	168.9	142.8	163.5	162.6	154.6
Paper products	159.1	164.3	172.3	173.0	176.9	185.1	188.6	194.1
Pulp and paper	158.6	163.8	171.0	172.4	178.5	185.0	189.2	197.3

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	164.2	167.4	163.5	167.9	177.4	173.2
Products of petroleum and coal	272.8	296.0	327.1	306.1	306.7	303.8	298.3	293.2
Petroleum products	294.3	319.7	354.9	331.1	331.8	328.3	322.0	316.2
Chemicals and allied products	233.2	249.1	255.1	254.6	258.5	293.2	290.9	295.2
Acids, alkalies, salts and fertilizers	266.0	302.0	305.2	306.2	308.7	360.4	346.9	361.2
Miscellaneous manufactures	237.2	246.6	258.5	263.0	262.8	278.3	281.2	280.2
DURABLE MANUFACTURES	165.0	175.9	181.4	184.8	191.5	199.2	197.2	200.2
Wood products	151.5	159.0	171.0	162.0	150.7	174.5	167.7	150.2
Saw and planing mills	161.1	172.1	185.5	172.7	157.2	189.7	179.2	161.2
Veneers and plywoods	329.8	358.8	395.7	384.9	388.7	405.2	408.2	410.2
Sawmills	149.6	162.3	173.2	156.8	134.8	180.3	165.9	141.2
Furniture	152.5	153.0	163.3	163.2	161.2	165.7	167.7	161.2
Iron and steel products	152.1	161.8	170.1	169.5	170.3	189.3	191.4	191.2
Machinery	149.1	160.2	162.3	165.1	165.0	185.7	189.8	191.2
Iron castings	135.5	151.1	148.4	149.5	150.8	183.0	164.0	171.2
Primary iron and steel	193.0	216.9	228.4	227.9	243.6	247.3	257.7	261.2
Sheet metal products	157.3	156.9	167.0	159.7	154.6	177.1	175.0	171.2
Transportation equipment	156.7	181.4	157.6	185.9	227.9	189.6	171.3	211.2
Aircraft and parts	260.0	233.8	233.8	244.3	252.6	274.4	273.3	271.2
Motor vehicles	206.9	257.6	199.6	262.2	362.4	247.5	203.5	301.2
Motor vehicle parts	146.6	179.5	178.0	189.3	202.0	227.5	215.1	221.2
Railway rolling stock	41.5	41.1	42.6	44.1	44.4	47.9	49.2	51.2
Shipbuilding and repairs	186.9	197.2	187.5	192.8	189.2	186.2	191.3	181.2
Non-ferrous metal products	148.9	148.8	152.3	153.8	152.6	160.2	168.5	161.2
Brass and copper products ...	126.9	133.4	140.8	139.5	139.6	150.7	152.5	141.2
Smelting and refining	164.2	161.6	163.3	165.8	163.8	171.5	184.7	171.2
Electrical apparatus and supplies	212.9	223.5	240.6	240.7	247.3	257.9	265.7	261.2
Heavy electrical machinery ..	149.8	154.3	154.5	155.3	155.6	164.9	166.9	161.2
Telecommunication equipment	524.1	546.9	652.3	678.5	687.1	654.8	754.7	711.2
Refrigerators and appliances	198.4	221.6	238.9	220.3	253.2	262.5	249.8	241.2
Non-metallic mineral products	240.9	243.0	298.5	283.0	265.5	321.3	327.9	301.2
Concrete products	655.0	652.3	954.1	815.9	749.5	1,057.1	1,069.7	1,011.2
Hydraulic cement	241.9	246.0	318.4	336.0	257.6	350.9	360.2	311.2
Domestic clay products	148.1	136.7	159.6	155.3	154.2	162.3	162.9	151.2
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	337.9	360.0	406.5	375.1	400.4	411.2
Electric power	313.1	339.2	327.4	347.0	380.2	359.3	375.5	381.2
Gas	558.3	620.1	432.3	476.5	642.7	516.6	623.5	711.2

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

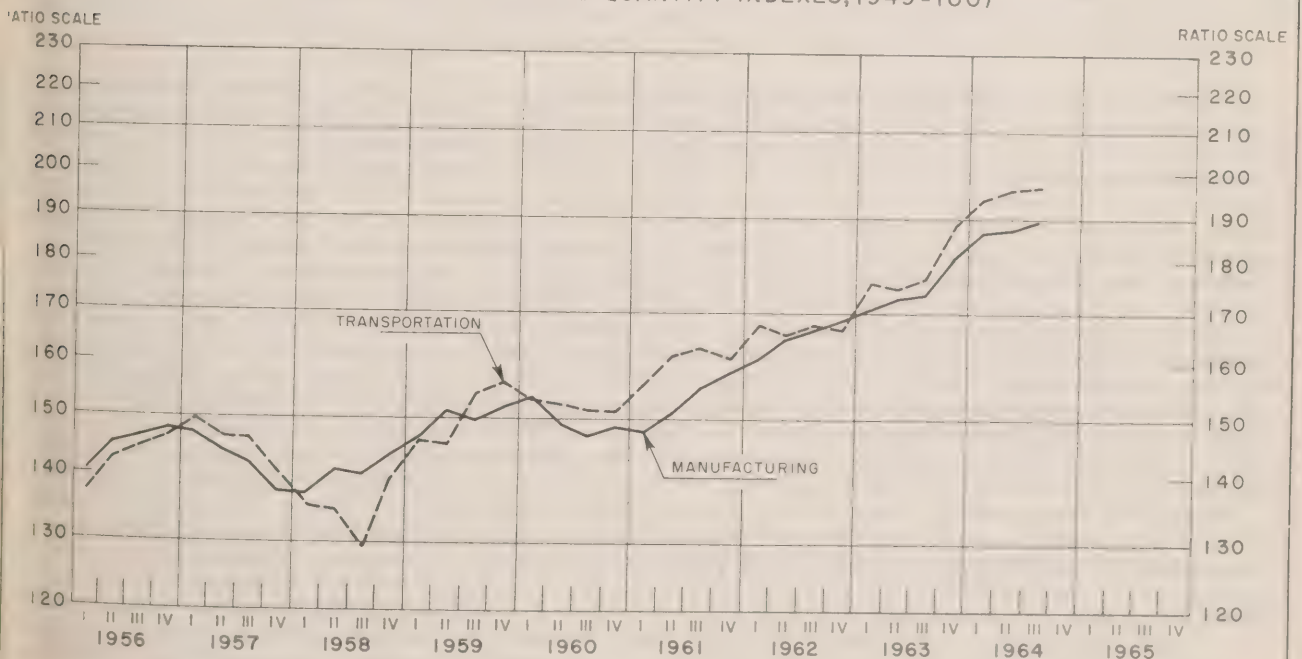
The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1956-64

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1964

Seasonally adjusted non-agricultural real output for the third quarter of 1964 was almost 1 per cent higher than in the preceding quarter. (1) This increase, which followed a 1 per cent decline in the second quarter and sharp gains in the six month period ending in March, 1964, brought the non-agricultural output aggregate to a level almost 21 per cent above its first quarter, 1961, cyclical lo

	1Q'61 - Year 1963		1Q'61 - 1Q'64		1Q'61 - II Q'64		1Q'61 - III Q'64	
	% Δ	Effect on GDP less Agri- culture	% Δ	Effect on GDP less Agri- culture	% Δ	Effect on GDP less Agri- culture	% Δ	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	+ 13.5	+ 13.5	+ 21.0	+ 21.0	+ 19.9	+ 19.9	+ 20.8	+ 20.8
Forestry	+ 15.9	+ .3	+ 29.6	+ .5	+ 18.2	+ .3	+ 29.6	+ .6
Fishing and trapping ..	- 11.8	- .1	- 6.1	--	- 18.1	- .1	- 13.2	- .1
Mining	+ 17.3	+ 1.0	+ 29.9	+ 1.7	+ 29.1	+ 1.6	+ 24.6	+ 1.4
Manufacturing	+ 17.7	+ 5.0	+ 26.4	+ 7.4	+ 26.7	+ 7.4	+ 28.0	+ 7.8
Non-durable	+ 12.3	+ 1.9	+ 18.3	+ 2.9	+ 19.5	+ 3.0	+ 19.8	+ 3.1
Durable	+ 24.5	+ 3.0	+ 36.6	+ 4.5	+ 35.8	+ 4.4	+ 38.4	+ 4.7
Construction	+ 9.5	+ .7	+ 24.2	+ 1.7	+ 10.9	+ .8	+ 9.9	+ .7
Electric power and gas utilities	+ 20.8	+ .7	+ 28.4	+ 1.0	+ 31.2	+ 1.1	+ 35.1	+ 1.2
Transportation, storage and communication ...	+ 14.1	+ 1.4	+ 22.4	+ 2.2	+ 24.5	+ 2.4	+ 24.9	+ 2.4
Transportation	+ 14.6	+ 1.0	+ 24.1	+ 1.7	+ 25.8	+ 1.8	+ 26.0	+ 1.8
Trade	+ 11.8	+ 1.8	+ 20.3	+ 3.2	+ 17.9	+ 2.8	+ 19.2	+ 3.0
Wholesale	+ 17.3	+ .9	+ 30.5	+ 1.6	+ 26.8	+ 1.4	+ 26.4	+ 1.4
Retail	+ 8.9	+ .9	+ 15.0	+ 1.5	+ 13.2	+ 1.4	+ 15.5	+ 1.6
Finance, insurance and real estate	+ 12.4	+ 1.4	+ 15.9	+ 1.7	+ 16.4	+ 1.8	+ 17.7	+ 1.9
Public administration and defence	+ 3.1	+ .2	+ 4.3	+ .3	+ 4.4	+ .3	+ 4.2	+ .2
Community, recreation, business and personal service	+ 10.7	+ 1.1	+ 12.8	+ 1.3	+ 13.7	+ 1.4	+ 14.8	+ 1.6

The above table shows per cent changes for the major industry groupings from the cyclical trough early in 1961 to the levels attained in each of the first three quarters of 1964 and to the level for the year 1963. The table also shows, for the same periods, the effect of the changes in the components on total non-agricultural output. As can be seen, the largest contributor to the expansion was manufacturing which increased by 28 per cent; this would have raised non-agricultural output by 7.8 per cent, if the output of all the other industries in the third quarter of 1964 had remained at the same level as in the first quarter of 1961. The next largest contributor to the expansion was trade, followed by the transportation, storage and communication group. The above three industry groups constitute that part of the economy which has been most sensitive to cyclical fluctuations during the post-war period, and together they account for more than one half of total production. However, trade, particularly retail trade, has increased more slowly during the current expansion than either transportation or manufacturing. The 38 per cent gain in durable manufacturing exceeded the increases in most of the other components, as well as its own very substantial gains achieved during the 1954-56 expansion. Sustained growth in motor vehicle production (a 126 per cent increase from the first quarter of 1961 to the third quarter of 1964) was the most important single factor contributing to this growth in the output of durables. The less cyclically sensitive industries such as the finance, insurance, real estate and the community, recreation, business and personal service groups continued to expand throughout the period and to exert a steadying influence on the economy, increasing or decreasing their share of the total gain in each period, depending on the fortunes of the other industries.

- (1) For the first nine months of 1964, compared with the same period of 1963, non-agricultural output was 7 per cent higher. Up to the end of October, the monthly Index of Industrial Production, which covers more than one third of the non-agricultural economy, was about 9 per cent higher than in the first ten months of 1963.

The longer term significance of the gains made by each industry during the current expansion is best assessed by comparing the increases in its output (measured from the preceding cyclical peak in aggregate production) with those achieved by the same industries over the course of other cycles. The following table sets out these comparisons for the three most recent upswings. It should be kept in mind, however, that the first two cycles are measured from peak to peak, that is, both had run their full course during the 13 quarter span being measured, while currently, eighteen quarters after the last cyclical peak, non-agricultural real output was still expanding. As indicated in the table, expansion was particularly strong in transportation and durable manufacturing, which gained new ground following a slowdown in growth during the 1957-61 period. The finance, insurance and real estate and community, recreation, business and personal services groups were the only other industries to have made larger gains during the current expansion than over the 1953-56 period.

	3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %		3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %
	Δ	Δ	Δ		Δ	Δ	Δ
Gross domestic product				Trade	+ 20.7	+ 6.9	+ 17.5
Less agriculture	+ 20.4	+ 7.9	+ 20.0	Wholesale	+ 20.8	+ 11.0	+ 17.6
Forestry	+ 19.0	+ 1.3	+ 15.7	Retail	+ 20.6	+ 4.7	+ 17.4
Fishing and trapping ..	+ 1.8	- 18.4	+ 42.1	Finance, insurance and			
Mining	+ 54.3	+ 17.4	+ 20.2	real estate	+ 16.9	+ 15.5	+ 21.8
Manufacturing	+ 17.4	+ 3.8	+ 23.1	Public administration			
Non-durable	+ 15.9	+ 9.9	+ 19.3	and defence	+ 10.4	+ 9.1	+ 9.1
Durable	+ 19.0	- 2.7	+ 27.7	Community, recreation,			
Electric power and gas				business and personal			
Utilities	+ 43.4	+ 37.2	+ 40.7	service	+ 12.1	+ 12.2	+ 17.4
Transportation, storage				Index of Industrial			
and communication ...	+ 26.4	+ 7.9	+ 27.8	Production	+ 23.0	+ 8.0	+ 24.2
Transportation	+ 25.7	+ 4.7	+ 28.2	Employed non-agricultural			
				labour force(1)	+ 11.5	+ 7.2	+ 14.1

Canadian Statistical Review, p. S-1, DBS Cat. No. 11-003.

Turning to developments in the third quarter of 1964, it is interesting to note that gains were widely widespread, in contrast to the rather exceptional influences at work during the first and second quarters of this year, when construction and related industries accounted for the bulk of the change.

Manufacturing, which increased by 1 per cent, was the largest single contributor to the third quarter gain in non-agricultural output. This was almost entirely the result of an increase of about 2 per cent in durables. Quarterly gains of this or greater magnitude have been recorded in durables 9 out of 14 quarters of this expansion, but a 2 per cent rate is well above the average rate of growth for the post-war period.

Within durables, transportation equipment showed the largest gain, over 7 per cent, with all components contributing. However, motor vehicles (+8%) and motor vehicle parts (+12%) accounted for the major portion of the gain. Thus motor vehicle production in the third quarter was almost 2 per cent above its first quarter level, following a decline in the second quarter. Gains were also recorded in the electrical apparatus and supplies group (+2%), and the non-metallic mineral products group (+2%), largely as a result of a 5 per cent increase in the output of the refrigerator and appliances industry in the former group and substantial gains in the production of gypsum, lime and concrete products in the latter group. The iron and steel products group showed a fractional gain in the quarter, as declines in primary iron and steel (-1%) and some other components were offset by a 3 per cent increase in machinery and some gains elsewhere.

Non-durable manufacturing increased only fractionally. The largest contributions to this increase came from the 6 per cent gain in clothing and the 3 per cent gain in chemicals. Tobacco products and some components of paper products, such as pulp and paper and roofing paper also increased. These gains were counteracted by declines, ranging from 1 to 8 per cent which occurred in foods and beverages, rubber products, petroleum products and printing and publishing. The last industry was affected by labour disputes during the quarter.

Within trade, a slight decline in wholesale trade was more than offset by a 2 per cent gain at the retail level, resulting in a one per cent expansion in total trade output. At the retail level, motor vehicle dealers, clothing stores and department stores, with increases of up to 6 per cent, accounted for most of the gain.

Further increases occurred in finance, insurance and real estate (+1%), the community, business, recreation and personal service group (+1%) and electric power and gas utilities (+3%), which jointly contributed as much to the gain in non-agricultural output as did manufacturing. Forestry, with an increase of nearly 10 per cent, returned to its first quarter level following a decline in the second quarter. Transportation, storage and communication increased fractionally, as a result of gains in the communication and transportation components, while storage of grain showed a small decline. Within transportation, increases in the output of the oil and gas pipelines and air transport industries counteracted the decline in water transportation, which represented a drop from high levels of output earlier in the year when the shipping industry was engaged in moving exceptionally large quantities of grain for export. Railway transport increased fractionally.

Small decreases in output occurred in public administration and defence and in construction which returned to the output levels it had more or less maintained since 1961, except for the sharp gains during the winter months of 1963-64. Mining declined by almost 4 per cent, with all three components showing decreases in the third quarter. However, the major portion of the drop in mining can be accounted for by a decline in the "other" component of metal mining, which reflected curtailments in uranium mining operations.

For the first nine months of 1964 real domestic product less agriculture was 7 per cent higher than in the corresponding period of 1963. However, because of the pattern of non-agricultural production during 1963 and 1964, an annual comparison might differ significantly from a 9 month comparison. For example, if it is assumed that the fourth quarter of 1964 remains at the same level, seasonally adjusted, as the third quarter, then the year 1964 would be up by 6.2 per cent; if the fourth quarter is up one per cent, the year would be up 6.5 per cent; if down one per cent, the year would be up 6 per cent.

About one third of the aggregate increase in the first three quarters of 1964 was accounted for by a 9 per cent gain in manufacturing. Durable manufacturing, in particular, expanded rapidly during this period (+11%), largely as a result of the gains in iron and steel production and in the output of the motor vehicles and parts industries, both of which increased by more than 20 per cent. Other industry groups registering increases of about 11 per cent were transportation, storage, electric power and gas utilities and forestry. Mining and wholesale trade increased by about 10 per cent, while non-durable manufacturing and retail trade showed gains of 7 and 6 per cent, respectively. Construction, which expanded sharply in the first quarter, showed a 5 per cent increase in the nine month comparison, as the initial gains were offset by declines in the second and third quarters.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1961 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	196.2	167.0	133.3	325.8	222.4	232.4	542.9	186.7	181.3
2	194.5	152.4	116.2	323.9	216.8	253.0	556.7	187.2	183.2
3	196.0	167.0	123.1	312.6	202.4	246.9	549.0	189.1	183.6
Without seasonal adjustment									
1961	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1961 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.4
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	140.4	78.8	312.5	197.5	218.7	588.3	181.0	174.4
2	197.2	138.9	118.3	322.0	224.3	257.4	526.9	191.7	184.0
3	199.5	197.5	168.2	319.8	214.7	246.9	527.4	186.0	186.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.6
2	172.3	213.3	218.9	131.9	173.7	129.2	176.4	172.1
3	171.2	223.7	208.0	131.3	172.7	138.2	179.2	158.8
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.0
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.0
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.0
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.0
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.0
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.0
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.0
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.0
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.0
1964 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.0
2	171.9	226.6	230.4	133.4	178.9	117.2	178.1	174.0
3	187.9	211.1	186.5	122.2	159.6	148.2	180.8	155.0

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
49 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
61 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
62 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
63 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
64 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.7	261.2	191.9	164.6	180.8	202.3	162.2
3	303.0	278.8	266.2	195.6	164.3	181.4	217.3	159.0
	Without seasonal adjustment							
61	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
62	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
63	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
61 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
62 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
63 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
64 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.5
2	290.3	285.2	254.7	200.8	165.6	186.2	236.2	163.0
3	308.0	272.6	269.7	185.8	174.0	182.7	149.3	157.6

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.56
Seasonally adjusted								
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.8
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.8
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.8
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.8
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.8
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.8
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.8
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.8
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.8
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.8
1964 - 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	186.8
2	236.4	266.3	175.7	399.1	209.4	196.3	256.6	186.8
3	240.5	271.3	174.2	410.7	210.1	196.5	254.9	186.8
Without seasonal adjustment								
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.8
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	168.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	177.8
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	133.8
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	166.8
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.8
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	177.8
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	144.8
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	177.8
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	166.8
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	186.8
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	144.8
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.8
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	166.8
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	186.8
1964 - 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	144.8
2	229.7	274.0	179.5	387.5	213.4	202.6	257.6	166.8
3	238.6	316.6	217.6	357.0	222.6	214.3	262.0	166.8

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industrial Production
9 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.3	175.5	201.5	190.6	169.4	194.5	194.5	211.8
3	195.6	179.0	203.7	190.2	171.1	196.1	195.1	212.9
Without seasonal adjustment								
1	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
2	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
3	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
1 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
2 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
3 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
4 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.4
2	206.7	180.2	202.9	190.9	169.5	197.5	194.8	214.8
3	183.4	173.7	207.2	197.4	175.5	199.5	199.6	208.2

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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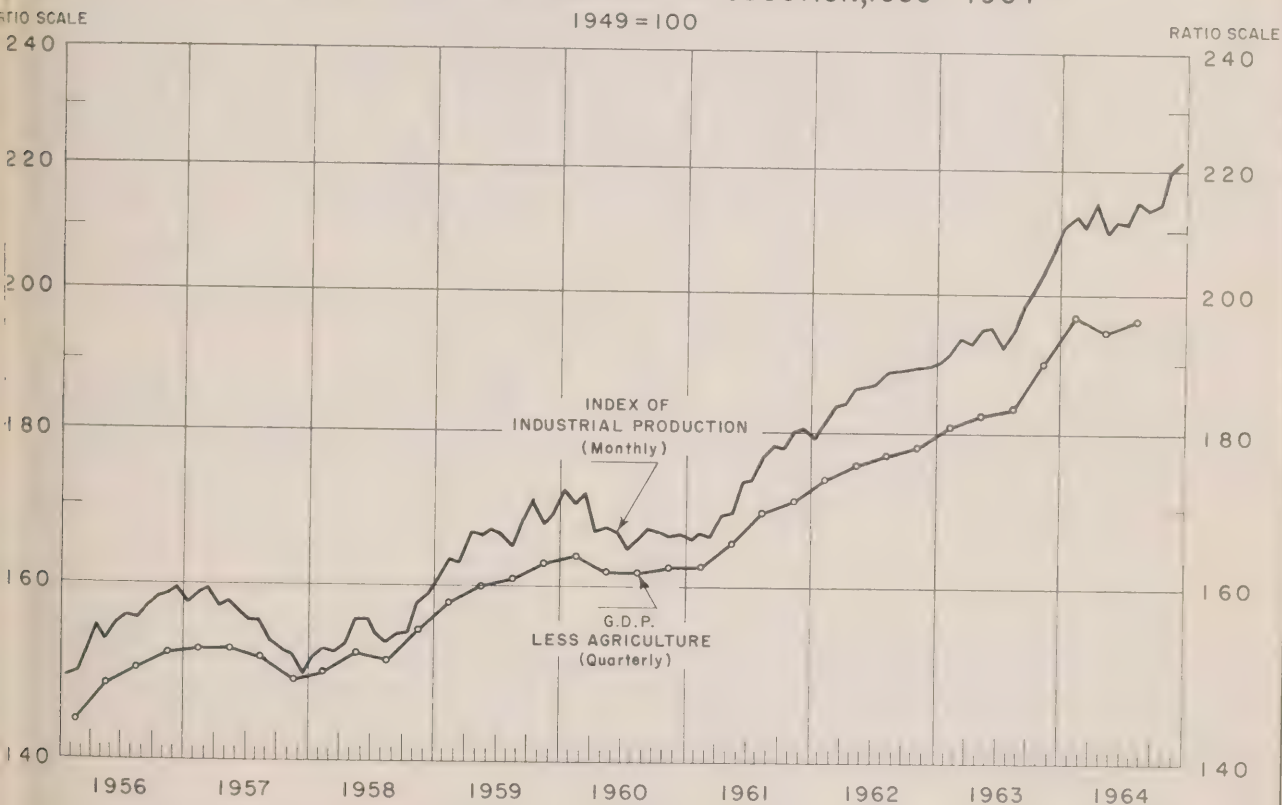
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

DECEMBER 1964

The seasonally adjusted index of industrial production advanced by 0.8 per cent in December.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956 - 1964

1949 = 100



NOTE: This issue includes indexes of non-agricultural real output for the latest available quarter (3rd qtr. 1964).

Industrial Output Section
National Accounts and Balance of Payments Division

February 1965
65-502

DECEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production advanced by 0.8% in December to close out the year at a record level of 221.5. This advance meant that the total 1964 index was higher by 8.6% than in 1963, with the gain being considerably in excess of the long-term growth rate.

In December, the total increase was comprised of gains of about 1% and 6% in manufacturing and electric power and gas utilities respectively, along with about a 1% decline in mining production.

There were some unusually large increases in non-durables in December, bringing this aggregate up by 1.8%. For example, foods and beverages, influenced by large gains in both meat products and distilleries, rose by 4%. Both clothing and rubber products recorded increases in excess of 5%. Smaller gains occurred in leather, paper and chemical products, the latter two apparently at least in part due to the winter housing bonus scheme and the pending imposition of the last stage of the building materials sales tax at the end of 1964, affecting roofing paper and paint production. Elsewhere, there were production declines in textiles, printing and publishing and petroleum refining.

Durables output registered a decline of 0.9% in December, with the big influence being a sharp drop in motor vehicle and parts production, reflecting a major labour disturbance in the industry. January's level will be substantially higher than this strike-affected December low in motor vehicles. Wood products also showed a large decline in December, reflecting lower sawmilling output, apparently mostly due to severe weather conditions on the West Coast at that time. All other major groups in durables showed relatively large gains in December, in particular, iron and steel (+3%) and non-metallic mineral products (+12%); primary iron and steel, with one of its largest gains (6%) in several months broke new ground to lead the former, while in the latter, gains were widespread and large in most components, reflecting the high level of construction activity in the fourth quarter. Non-ferrous metal products and electrical apparatus and supplies were up by 3% and 1% respectively.

The big gain in utilities in December was reflected in both its components and again can, in large part, be traced to unusually severe weather conditions.

The following percentage increases are now shown for the year 1964 as a whole over the previous year for the index and its major components; index of industrial production (8.6%), mining (8.8%), manufacturing (8.3%), non-durables (7.1%), durables (9.7%), and utilities (10.3%).

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.
4. The figures in Tables 1 and 2 may not reconcile with those on the Index of Industrial Production Table 3 because of small revisions in September which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	210.9	214.3	213.5	214.2	219.8	221.5
MINING,	3.245	2	316.0	313.7	308.1	320.8	335.7	331.6
Metals	1.925	2	200.0	206.0	201.2	211.3	218.0	208.8
Gold	0.624	5	93.4	95.2	91.5	90.1	94.9	87.0
Copper	0.356	4	186.5	191.7	173.6	191.8	193.5	194.1
Iron ore	0.099	3	815.3	833.6	825.9	904.7	958.7	905.8
Nickel	0.337	4	172.6	165.9	156.6	187.6	190.6	215.9
Non-metals	0.268	5	261.9	243.9	234.9	250.9	262.0	270.6
Asbestos	0.214	5	275.3	253.3	246.4	266.9	275.4	288.6
Fuels	0.915	3	559.1	547.6	540.3	555.6	585.7	586.1
Coal	0.553	6	51.5	59.7	55.0	53.3	51.9	54.3
Natural gas	0.035	2	1,518.9	1,492.1	1,380.3	1,468.5	1,449.6	1,524.9
Petroleum	0.327	3	1,313.1	1,270.1	1,269.7	1,305.8	1,394.5	1,383.2
MANUFACTURING, TOTAL	27.340	3	186.3	191.1	190.1	188.8	194.1	195.1
NON-DURABLE MANUFACTURES	14.742	3	181.4	184.9	184.7	186.5	190.1	193.5
Foods and beverages	3.814	4	170.8	173.1	170.0	174.3	178.6	185.5
Foods	2.896	4	166.4	169.2	167.2	171.3	173.1	178.8
Meat products	0.523	4	178.7	187.3	184.8	183.7	183.9	214.4
Dairy products	0.450	3	165.6	167.7	164.4	166.0	178.6	164.7
Canning and processing	0.453	4	172.6	160.9	167.4	178.1	179.1	180.8
Grain mill products	0.322	4	173.6	186.1	177.4	183.3	179.3	179.1
Bakery products	0.558	3	146.7	144.6	145.3	147.7	147.5	147.2
Miscellaneous foods	0.590	4	166.2	174.6	168.5	175.2	175.3	180.8
Beverages	0.918	6	184.8	185.3	178.9	183.6	196.1	206.5
Carbonated beverages	0.231	6	186.6	176.3	177.5	181.2	190.0	180.5
Breweries	0.463	6	162.6	169.9	155.6	158.6	180.4	183.0
Distilleries	0.203	6	235.3	234.9	237.9	251.3	243.4	296.9
Tobacco and tobacco products ..	0.248	6	211.1	232.4	227.5	227.8	221.4	221.2
Rubber products	0.430	3	198.2	210.4	215.5	204.4	220.1	232.0
Leather products	0.508	2	129.4	134.2	130.5	130.9	129.1	133.9
Boots and shoes	0.307	4	135.3	144.4	137.3	139.6	137.4	144.0
Textiles	1.623	3	169.5	174.4	174.2	172.8	176.6	174.3
Cotton goods	0.507	4	121.2	130.9	121.2	118.2	122.4	112.3
Wool goods	0.300	3	88.5	83.5	83.5	88.6	83.2	83.5
Synthetic Textiles and Silk	0.429	3	297.6	308.0	316.5	313.3	328.2	329.7
Clothing	1.801	3	139.1	136.7	138.8	136.5	138.6	147.5
Paper products	2.649	3	177.1	181.2	179.2	182.7	186.8	189.4
Pulp and paper	2.108	3	179.6	184.1	180.1	183.3	188.1	190.3

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	158.9	154.3	163.1	169.1	166.4	161.4
Products of petroleum and coal	0.513	3	308.7	307.7	292.5	298.5	309.4	302.8
Petroleum products	0.454	3	334.7	333.2	315.7	322.0	334.0	326.7
Chemicals and allied products	1.359	2	266.8	281.9	287.6	288.4	297.1	304.3
Acids, alkalis, salts and fertilizers	0.346	2	320.5	336.5	365.9	354.0	364.8	364.4
Miscellaneous manufactures	0.524	1	264.6	266.8	267.1	265.2	262.7	263.1
DURABLE MANUFACTURES	12.598	3	192.1	198.4	196.4	191.5	198.8	197.0
Wood products	2.108	2	160.1	169.5	163.6	169.4	172.7	163.1
Saw and planing mills	1.444	3	172.8	186.5	177.7	185.3	188.8	175.1
Veneers and plywoods	0.122	3	389.1	423.3	380.5	412.3	420.5	420.1
Sawmills	0.994	4	161.4	177.6	170.1	177.1	179.8	158.1
Furniture	0.460	2	155.3	155.0	155.0	157.2	160.3	161.1
Iron and steel products	4.026	2	180.4	183.5	180.6	186.2	192.4	197.1
Machinery	0.851	1	182.3	183.2	181.9	183.3	186.8	189.1
Iron castings	0.387	3	199.4	193.5	174.3	170.8	183.8	196.1
Primary iron and steel	0.845	2	239.3	245.6	240.8	252.3	255.0	271.1
Sheet metal products	0.359	1	157.6	159.9	161.4	168.0	173.8	178.1
Transportation equipment	2.651	4	210.0	221.7	220.2	177.2	193.1	168.1
Aircraft and parts	0.203	1	282.1	281.9	274.9	271.7	278.4	272.1
Motor vehicles	1.035	4	293.4	323.8	321.4	218.8	255.5	208.1
Motor vehicle parts	0.462	2	239.5	238.9	238.2	216.9	214.5	178.1
Railway rolling stock	0.621	1	47.7	47.6	46.6	47.8	49.3	49.1
Shipbuilding and repairs	0.261	1	188.6	185.2	184.4	190.5	199.6	205.1
Non-ferrous metal products	1.601	3	161.0	156.6	159.3	166.1	166.7	172.1
Brass and copper products ...	0.241	1	147.6	144.5	146.7	151.1	155.2	157.1
Smelting and refining	1.028	3	175.5	169.4	172.5	183.4	182.3	189.1
Electrical apparatus and supplies	1.418	2	234.9	244.0	242.9	246.3	248.5	251.1
Heavy electrical machinery ..	0.489	1	158.9	159.9	161.4	162.4	162.9	164.1
Telecommunication equipment	0.142	3	539.1	596.4	585.2	609.6	626.7	
Refrigerators and appliances	0.227	3	236.8	249.2	246.9	253.9	248.3	
Non-metallic mineral products	0.794	2	262.4	275.3	276.3	278.4	295.3	331.1
Concrete products	0.098	4	781.9	855.5	832.4	829.2	926.4	1,127.1
Hydraulic cement	0.117	5	262.2	260.9	269.5	285.9	304.9	328.1
Domestic clay products	0.083	3	142.0	148.5	140.2	144.8	151.1	149.1
ELECTRIC POWER AND GAS UTILITIES	1.646	2	412.2	403.7	416.1	426.9	418.7	441.1
Electric power	1.480	2	373.0	367.8	378.2	383.6	385.3	404.1
Gas	0.166	3	763.4	725.4	756.4	815.0	718.0	782.1

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1962	1963	1963			1964		
			Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	186.0	195.9	207.6	210.8	199.1	221.6	227.0	212.5
MINING,	287.4	294.4	311.4	306.7	296.7	331.8	333.6	314.5
Metals	197.7	193.8	206.7	201.7	183.7	221.3	210.2	186.2
Gold	100.1	95.5	97.0	96.5	88.8	91.3	98.2	85.7
Copper	176.7	174.0	190.1	195.9	162.4	189.9	211.9	190.2
Iron ore	632.5	670.8	807.1	663.3	607.1	1,040.4	719.0	573.4
Nickel	184.2	171.0	170.5	170.2	175.6	185.9	201.8	215.9
Non-metals	222.5	228.1	256.4	274.4	221.9	273.9	288.0	239.8
Asbestos	234.1	239.1	264.3	288.6	225.8	284.0	299.9	253.1
Fuels	480.8	513.6	518.1	522.1	561.1	544.8	580.3	609.1
Coal	48.8	52.0	58.4	61.9	59.2	62.4	66.4	63.5
Natural gas	1,005.7	1,179.8	1,145.2	1,330.6	1,432.4	1,395.1	1,520.6	1,775.0
Petroleum	1,154.0	1,221.6	1,227.1	1,212.5	1,315.0	1,279.7	1,347.1	1,405.3
MANUFACTURING, TOTAL	164.9	173.9	186.1	187.6	173.4	197.8	201.9	184.4
NON-DURABLE MANUFACTURES	164.8	172.2	187.1	184.2	169.2	198.3	199.1	182.6
Foods and beverages	158.9	162.1	184.1	178.3	153.5	195.7	192.0	172.2
Foods	154.8	157.2	183.4	169.6	151.9	194.7	183.1	168.9
Meat products	159.2	163.6	178.6	190.6	157.6	196.0	207.4	203.7
Dairy products	159.3	163.5	159.8	143.2	144.0	162.7	155.9	142.8
Canning and processing	164.7	165.4	266.2	179.4	134.7	271.2	192.7	154.9
Grain mill products	137.5	145.9	157.9	167.2	158.9	186.8	188.4	176.3
Bakery products	145.4	138.8	141.4	139.8	136.1	153.5	152.5	148.4
Miscellaneous foods	158.3	164.3	195.7	193.0	177.2	202.8	201.2	183.8
Beverages	171.9	177.6	186.4	205.8	158.5	198.7	220.1	182.9
Carbonated beverages	173.0	178.7	150.2	180.6	166.6	154.0	180.5	176.9
Breweries	156.3	159.9	146.3	170.2	151.4	152.3	185.4	164.7
Distilleries	210.0	220.3	315.5	323.6	170.4	358.1	352.9	238.7
Tobacco and tobacco products	203.7	207.7	205.4	219.4	188.2	233.3	236.2	199.1
Rubber products	167.6	190.5	201.1	211.4	188.0	216.3	240.1	215.8
Leather products	126.7	127.0	129.8	135.1	118.2	131.6	132.8	122.7
Boots and shoes	137.7	136.9	138.5	144.2	119.2	136.7	137.4	122.4
Textiles	146.6	159.5	173.3	172.3	169.0	179.4	184.5	171.6
Cotton goods	105.3	109.6	124.0	124.0	117.3	128.8	130.7	109.7
Wool goods	84.9	89.8	106.1	98.9	87.4	97.4	89.9	79.3
Synthetic textiles and silk	243.6	281.0	298.9	298.6	302.0	314.6	337.4	322.8
Clothing	111.0	137.0(1)	168.9	142.8	118.0	162.6	152.5	123.9
Paper products	159.1	164.3	173.0	176.9	167.2	188.7	194.3	178.8
Pulp and paper	158.6	163.8	172.4	178.5	167.7	189.2	197.3	178.9

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963			1964		
	1962	1963	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	154.0	156.7	167.4	163.5	157.2	177.1	173.1	159.8
Products of petroleum and coal	272.8	296.0	306.1	306.7	307.4	298.3	314.8	307.4
Petroleum products	294.3	319.7	331.1	331.8	332.5	322.0	340.7	333.8
Chemicals and allied products	233.2	249.1	254.6	258.5	244.9	289.4	292.3	284.8
Acids, alkalis, salts and fertilizers	266.0	302.0	306.2	308.7	304.3	346.9	361.2	364.8
Miscellaneous manufactures	237.2	246.6	263.0	262.8	252.5	281.4	279.2	268.8
DURABLE MANUFACTURES	165.0	175.9	184.8	191.5	178.4	197.2	205.2	188.8
Wood products	151.5	159.0	162.0	150.7	146.6	167.8	157.4	149.8
Saw and planing mills	161.1	172.1	172.7	157.2	152.4	179.2	164.2	148.8
Veneers and plywoods	329.8	358.8	384.9	388.7	373.3	408.2	414.6	386.8
Sawmills	149.6	162.3	156.8	134.8	131.2	165.9	143.8	122.8
Furniture	152.5	153.0	163.2	161.2	158.4	167.9	168.0	160.8
Iron and steel products	152.1	161.8	169.5	170.3	155.8	191.3	195.2	188.8
Machinery	149.1	160.2	165.1	165.0	163.6	189.9	192.2	190.8
Iron castings	135.5	151.1	149.5	150.8	129.1	164.0	175.3	150.8
Primary iron and steel	193.0	216.9	227.9	243.6	210.8	257.3	261.9	240.8
Sheet metal products	157.3	156.9	159.7	154.6	147.7	174.9	172.1	160.8
Transportation equipment	156.7	181.4	185.9	227.9	217.2	171.2	213.3	170.8
Aircraft and parts	260.0	233.8	244.3	252.6	258.5	273.3	275.6	270.8
Motor vehicles	206.9	257.6	262.2	362.4	330.2	203.5	309.1	220.8
Motor vehicle parts	146.6	179.5	189.3	202.0	214.0	214.9	214.5	170.8
Railway rolling stock	41.5	41.1	44.1	44.4	43.9	49.2	50.0	40.8
Shipbuilding and repairs	186.9	197.2	192.8	189.2	182.7	191.3	195.2	190.8
Non-ferrous metal products	148.9	148.8	153.8	152.6	150.2	168.5	168.9	170.8
Brass and copper products ...	126.9	133.4	139.5	139.6	139.0	152.5	154.6	150.8
Smelting and refining	164.2	161.6	165.8	163.8	160.8	184.7	184.1	180.8
Electrical apparatus and supplies	212.9	223.5	240.7	247.3	229.5	265.8	266.5	210.8
Heavy electrical machinery ..	149.8	154.3	155.3	155.6	156.5	167.1	167.6	160.8
Telecommunication equipment	524.1	546.9	678.5	687.1	559.7	754.7	747.0	700.8
Refrigerators and appliances	198.4	221.6	220.3	253.2	223.7	249.8	258.2	210.8
Non-metallic mineral products	240.9	243.0	283.0	265.5	213.2	328.0	318.8	210.8
Concrete products	655.0	652.3	815.9	749.5	535.2	1,069.7	1,030.2	710.8
Hydraulic cement	241.9	246.0	336.0	257.6	128.6	360.2	315.0	210.8
Domestic clay products	148.1	136.7	155.3	154.2	122.8	162.3	165.5	110.8
ELECTRIC POWER AND GAS UTILITIES	337.7	367.4	360.0	406.5	434.0	400.4	434.0	410.8
Electric power	313.1	339.2	347.0	380.2	391.8	375.5	402.3	410.8
Gas	558.3	620.1	476.5	642.7	812.0	623.5	718.0	910.8

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

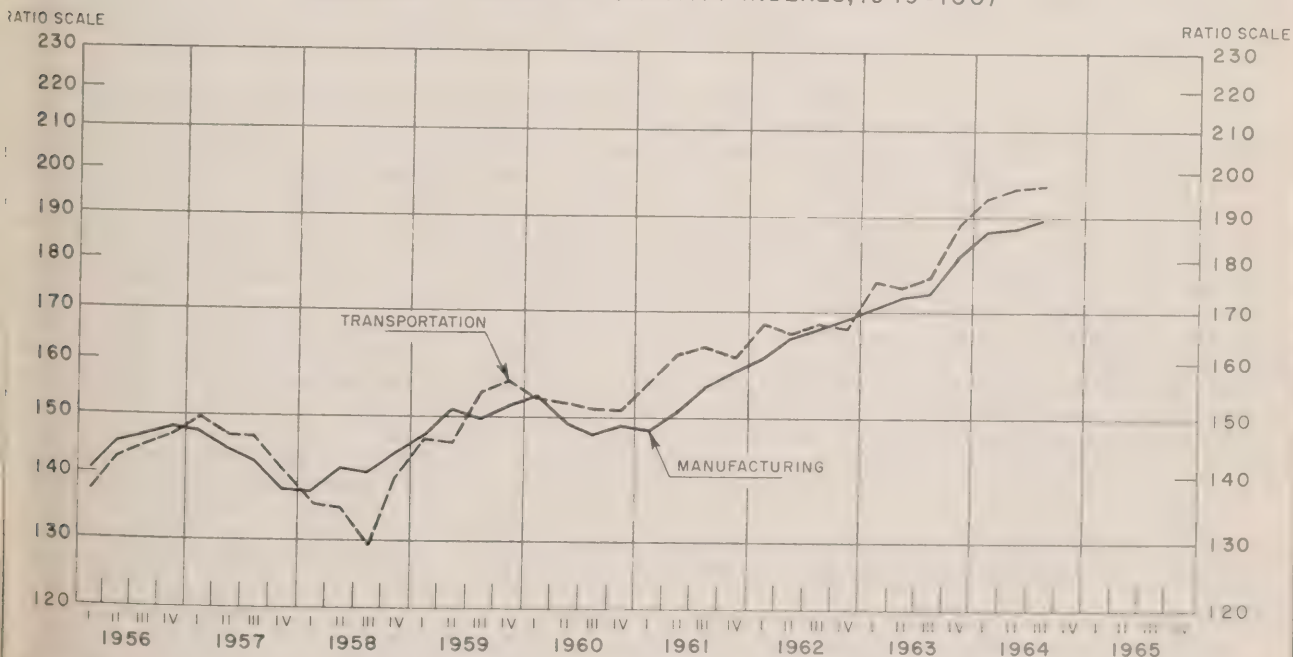
The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1956-64

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1964

Seasonally adjusted non-agricultural real output for the third quarter of 1964 was almost 1 per cent higher than in the preceding quarter. (1) This increase, which followed a 1 per cent decline in the second quarter and sharp gains in the six month period ending in March, 1964, brought the non-agricultural output aggregate to a level almost 21 per cent above its first quarter, 1961, cyclical

	1Q'61 - Year 1963		1Q'61 - 1Q'64		1Q'61 - II Q'64		1Q'61 - III Q'64	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	+ 13.5	+ 13.5	+ 21.0	+ 21.0	+ 19.9	+ 19.9	+ 20.8	+ 20.8
Forestry	+ 15.9	+ .3	+ 29.6	+ .5	+ 18.2	+ .3	+ 29.6	+ .6
Fishing and trapping ..	- 11.8	- .1	- 6.1	--	- 18.1	- .1	- 13.2	- .1
Mining	+ 17.3	+ 1.0	+ 29.9	+ 1.7	+ 29.1	+ 1.6	+ 24.6	+ 1.4
Manufacturing	+ 17.7	+ 5.0	+ 26.4	+ 7.4	+ 26.7	+ 7.4	+ 28.0	+ 7.8
Non-durable	+ 12.3	+ 1.9	+ 18.3	+ 2.9	+ 19.5	+ 3.0	+ 19.8	+ 3.1
Durable	+ 24.5	+ 3.0	+ 36.6	+ 4.5	+ 35.8	+ 4.4	+ 38.4	+ 4.7
Construction	+ 9.5	+ .7	+ 24.2	+ 1.7	+ 10.9	+ .8	+ 9.9	+ .7
Electric power and gas utilities	+ 20.8	+ .7	+ 28.4	+ 1.0	+ 31.2	+ 1.1	+ 35.1	+ 1.2
Transportation, storage and communication ...	+ 14.1	+ 1.4	+ 22.4	+ 2.2	+ 24.5	+ 2.4	+ 24.9	+ 2.4
Transportation	+ 14.6	+ 1.0	+ 24.1	+ 1.7	+ 25.8	+ 1.8	+ 26.0	+ 1.8
Trade	+ 11.8	+ 1.8	+ 20.3	+ 3.2	+ 17.9	+ 2.8	+ 19.2	+ 3.0
Wholesale	+ 17.3	+ .9	+ 30.5	+ 1.6	+ 26.8	+ 1.4	+ 26.4	+ 1.4
Retail	+ 8.9	+ .9	+ 15.0	+ 1.5	+ 13.2	+ 1.4	+ 15.5	+ 1.0
Finance, insurance and real estate	+ 12.4	+ 1.4	+ 15.9	+ 1.7	+ 16.4	+ 1.8	+ 17.7	+ 1.9
Public administration and defence	+ 3.1	+ .2	+ 4.3	+ .3	+ 4.4	+ .3	+ 4.2	+ .3
Community, recreation, business and personal service	+ 10.7	+ 1.1	+ 12.8	+ 1.3	+ 13.7	+ 1.4	+ 14.8	+ 1.5

The above table shows per cent changes for the major industry groupings from the cyclical trough early in 1961 to the levels attained in each of the first three quarters of 1964 and to the level for the year 1963. The table also shows, for the same periods, the effect of the changes in the components on total non-agricultural output. As can be seen, the largest contributor to the expansion of manufacturing which increased by 28 per cent; this would have raised non-agricultural output by 7.8 per cent, if the output of all the other industries in the third quarter of 1964 had remained at the same level as in the first quarter of 1961. The next largest contributor to the expansion was trade, followed by the transportation, storage and communication group. The above three industry groups constitute that part of the economy which has been most sensitive to cyclical fluctuations during the post-war period, and together they account for more than one half of total production. However, particularly retail trade, has increased more slowly during the current expansion than either transportation or manufacturing. The 38 per cent gain in durable manufacturing exceeded the increases in most of the other components, as well as its own very substantial gains achieved during the 1954-56 expansion. Sustained growth in motor vehicle production (a 126 per cent increase from the first quarter of 1961 to the third quarter of 1964) was the most important single factor contributing to this growth in the output of durables. The less cyclically sensitive industries such as the finance, insurance, real estate and the community, recreation, business and personal service groups continued to expand throughout the period and to exert a steadying influence on the economy, increasing or decreasing their share of the total gain in each period, depending on the fortunes of the other industries.

(1) For the first nine months of 1964, compared with the same period of 1963, non-agricultural output was 7 per cent higher. Up to the end of October, the monthly Index of Industrial Production, which covers more than one third of the non-agricultural economy, was about 9 per cent higher than in the first ten months of 1963.

The longer term significance of the gains made by each industry during the current expansion is best assessed by comparing the increases in its output (measured from the preceding cyclical peak in aggregate production) with those achieved by the same industries over the course of other cycles. The following table sets out these comparisons for the three most recent upswings. It should be kept in mind, however, that the first two cycles are measured from peak to peak, that is, both had run their full course during the 13 quarter span being measured, while currently, eighteen quarters after the last cyclical peak, non-agricultural real output was still expanding. As indicated in the table, expansion was particularly strong in transportation and durable manufacturing, which gained new ground following a slowdown in growth during the 1957-61 period. The finance, insurance and real estate and the community, recreation, business and personal services groups were the only other industries to have made larger gains during the current expansion than over the 1953-56 period.

	3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %		3Q'53- 4Q'56 %	4Q'56- 1Q'60 %	1Q'60- 3Q'64 %
	Δ	Δ	Δ		Δ	Δ	Δ
Gross domestic product				Trade	+ 20.7	+ 6.9	+ 17.5
Less agriculture	+ 20.4	+ 7.9	+ 20.0	Wholesale	+ 20.8	+ 11.0	+ 17.6
Forestry	+ 19.0	+ 1.3	+ 15.7	Retail	+ 20.6	+ 4.7	+ 17.4
Fishing and trapping ..	+ 1.8	- 18.4	+ 42.1	Finance, insurance and			
Mining	+ 54.3	+ 17.4	+ 20.2	real estate	+ 16.9	+ 15.5	+ 21.8
Manufacturing	+ 17.4	+ 3.8	+ 23.1	Public administration			
Non-durable	+ 15.9	+ 9.9	+ 19.3	and defence	+ 10.4	+ 9.1	+ 9.1
Durable	+ 19.0	- 2.7	+ 27.7	Community, recreation,			
Electric power and gas				business and personal			
Utilities	+ 43.4	+ 37.2	+ 40.7	service	+ 12.1	+ 12.2	+ 17.4
Transportation, storage				Index of Industrial			
and communication ...	+ 26.4	+ 7.9	+ 27.8	Production	+ 23.0	+ 8.0	+ 24.2
Transportation	+ 25.7	+ 4.7	+ 28.2	Employed non-agricultural			
				labour force(1)	+ 11.5	+ 7.2	+ 14.1

() Canadian Statistical Review, p. S-1, DBS Cat. No. 11-003.

Turning to developments in the third quarter of 1964, it is interesting to note that gains were fairly widespread, in contrast to the rather exceptional influences at work during the first and second quarters of this year, when construction and related industries accounted for the bulk of the change.

Manufacturing, which increased by 1 per cent, was the largest single contributor to the third quarter gain in non-agricultural output. This was almost entirely the result of an increase of about 2 per cent in durables. Quarterly gains of this or greater magnitude have been recorded in durables 9 out of 14 quarters of this expansion, but a 2 per cent rate is well above the average rate of growth for the post-war period.

Within durables, transportation equipment showed the largest gain, over 7 per cent, with all components contributing. However, motor vehicles (+8%) and motor vehicle parts (+12%) accounted for the major portion of the gain. Thus motor vehicle production in the third quarter was almost 2 per cent above its first quarter level, following a decline in the second quarter. Gains were also recorded in the electrical apparatus and supplies group (+2%), and the non-metallic mineral products group (+2%), largely as a result of a 5 per cent increase in the output of the refrigerator and appliances industry in the former group and substantial gains in the production of gypsum, lime and concrete products in the latter group. The iron and steel products group showed a fractional gain in the quarter, as declines in primary iron and steel (-1%) and some other components were offset by a 3 per cent increase in machinery and some gains elsewhere.

Non-durable manufacturing increased only fractionally. The largest contributions to this increase came from the 6 per cent gain in clothing and the 3 per cent gain in chemicals. Tobacco products and some components of paper products, such as pulp and paper and roofing paper also increased. These gains were counteracted by declines, ranging from 1 to 8 per cent which occurred in foods and beverages, rubber products, petroleum products and printing and publishing. The last industry was affected by labour disputes during the quarter.

Within trade, a slight decline in wholesale trade was more than offset by a 2 per cent gain at the retail level, resulting in a one per cent expansion in total trade output. At the retail level, motor vehicle dealers, clothing stores and department stores, with increases of up to 6 per cent, accounted for most of the gain.

Further increases occurred in finance, insurance and real estate (+1%), the community, business, recreation and personal service group (+1%) and electric power and gas utilities (+3%), which jointly contributed as much to the gain in non-agricultural output as did manufacturing. Forestry, with an increase of nearly 10 per cent, returned to its first quarter level following a decline in the second quarter. Transportation, storage and communication increased fractionally, as a result of gains in the communication and transportation components, while storage of grain showed a small decline. Within transportation, increases in the output of the oil and gas pipelines and air transport industries counteracted the decline in water transportation, which represented a drop from high levels of output earlier in the year when the shipping industry was engaged in moving exceptionally large quantities of grain for export. Railway transport increased fractionally.

Small decreases in output occurred in public administration and defence and in construction which returned to the output levels it had more or less maintained since 1961, except for the sharp gains during the winter months of 1963-64. Mining declined by almost 4 per cent, with all three components showing decreases in the third quarter. However, the major portion of the drop in mining can be accounted for by a decline in the "other" component of metal mining, which reflected curtailments in uranium mining operations.

For the first nine months of 1964 real domestic product less agriculture was 7 per cent higher than in the corresponding period of 1963. However, because of the pattern of non-agricultural production during 1963 and 1964, an annual comparison might differ significantly from a 9 month comparison. For example, if it is assumed that the fourth quarter of 1964 remains at the same level, seasonally adjusted, as the third quarter, then the year 1964 would be up by 6.2 per cent; if the fourth quarter is up one per cent, the year would be up 6.5 per cent; if down one per cent, the year would be up 6 per cent.

About one third of the aggregate increase in the first three quarters of 1964 was accounted for by a 9 per cent gain in manufacturing. Durable manufacturing, in particular, expanded rapidly during this period (+11%), largely as a result of the gains in iron and steel production and in the output of the motor vehicles and parts industries, both of which increased by more than 20 per cent. Other industry groups registering increases of about 11 per cent were transportation, storage, electric power and gas utilities and forestry. Mining and wholesale trade increased by about 10 per cent, while non-durable manufacturing and retail trade showed gains of 7 and 6 per cent, respectively. Construction, which expanded sharply in the first quarter, showed a 5 per cent increase in the nine month comparison, as the initial gains were offset by declines in the second and third quarters.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
51 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
52 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
53 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
54 - 1	196.2	167.0	133.3	325.8	222.4	232.4	542.9	186.7	181.3
2	194.5	152.4	116.2	323.9	216.8	253.0	556.7	187.2	183.2
3	196.0	167.0	123.1	312.6	202.4	246.9	549.0	189.1	183.6
Without seasonal adjustment									
51	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
52	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
53	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
51 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.4
52 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
53 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
54 - 1	183.4	140.4	78.8	312.5	197.5	218.7	588.3	181.0	174.4
2	197.2	138.9	118.3	322.0	224.3	257.4	526.9	191.7	184.0
3	199.5	197.5	168.2	319.8	214.7	246.9	527.4	186.0	186.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.2
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.0
2	172.3	213.3	218.9	131.9	173.7	129.2	176.4	172.2
3	171.2	223.7	208.0	131.3	172.7	138.2	179.2	158.8
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.8
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.4
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.6
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.6
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.7
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.4
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.5
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.1
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.6
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.8
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.1
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.8
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.3
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.2
1964 - 1	148.7	195.6	215.8	137.3	172.1	133.6	170.0	158.8
2	171.9	226.6	230.4	133.4	178.9	117.2	178.1	174.4
3	187.9	211.1	186.5	122.2	159.6	148.2	180.8	155.5

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
3 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
4 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.7	261.2	191.9	164.6	180.8	202.3	162.2
3	303.0	278.8	266.2	195.6	164.3	181.4	217.3	159.0
	Without seasonal adjustment							
1	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
2	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
3	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
2 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
3 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
4 - 1	306.3	272.5	247.5	188.7	170.3	169.7	223.7	156.5
2	290.3	285.2	254.7	200.8	165.6	186.2	236.2	163.0
3	308.0	272.6	269.7	185.8	174.0	182.7	149.3	157.6

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.50
Seasonally adjusted								
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.8
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.8
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.8
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.8
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.8
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.8
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.8
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.8
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.8
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.8
1964 - 1	231.0	283.9	196.9	390.6	205.9	193.6	234.4	180.8
2	236.4	266.3	175.7	399.1	209.4	196.3	256.6	180.8
3	240.5	271.3	174.2	410.7	210.1	196.5	254.9	180.8
Without seasonal adjustment								
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	152.8
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	160.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	170.8
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	133.8
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	160.8
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	150.8
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	170.8
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	140.8
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	170.8
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	160.8
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	180.8
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	150.8
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	170.8
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	160.8
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	190.8
1964 - 1	227.1	213.1	128.1	439.2	186.7	169.9	196.8	150.8
2	229.7	274.0	179.5	387.5	213.4	202.6	257.6	180.8
3	238.6	316.6	217.6	357.0	222.6	214.3	262.0	190.8

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries (1)	Index of Industrial Production
9 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	202.0	178.2	200.6	190.4	168.1	196.6	193.5	211.1
2	196.3	175.5	201.5	190.6	169.4	194.5	194.5	211.8
3	195.6	179.0	203.7	190.2	171.1	196.1	195.1	212.9
Without seasonal adjustment								
91	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
92	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
93	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
91 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
92 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
93 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
94 - 1	202.2	153.8	196.7	184.3	163.5	182.8	189.6	207.4
2	206.7	180.2	202.9	190.9	169.5	197.5	194.8	214.8
3	183.4	173.7	207.2	197.4	175.5	199.5	199.6	208.2

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c.; and domestic service.

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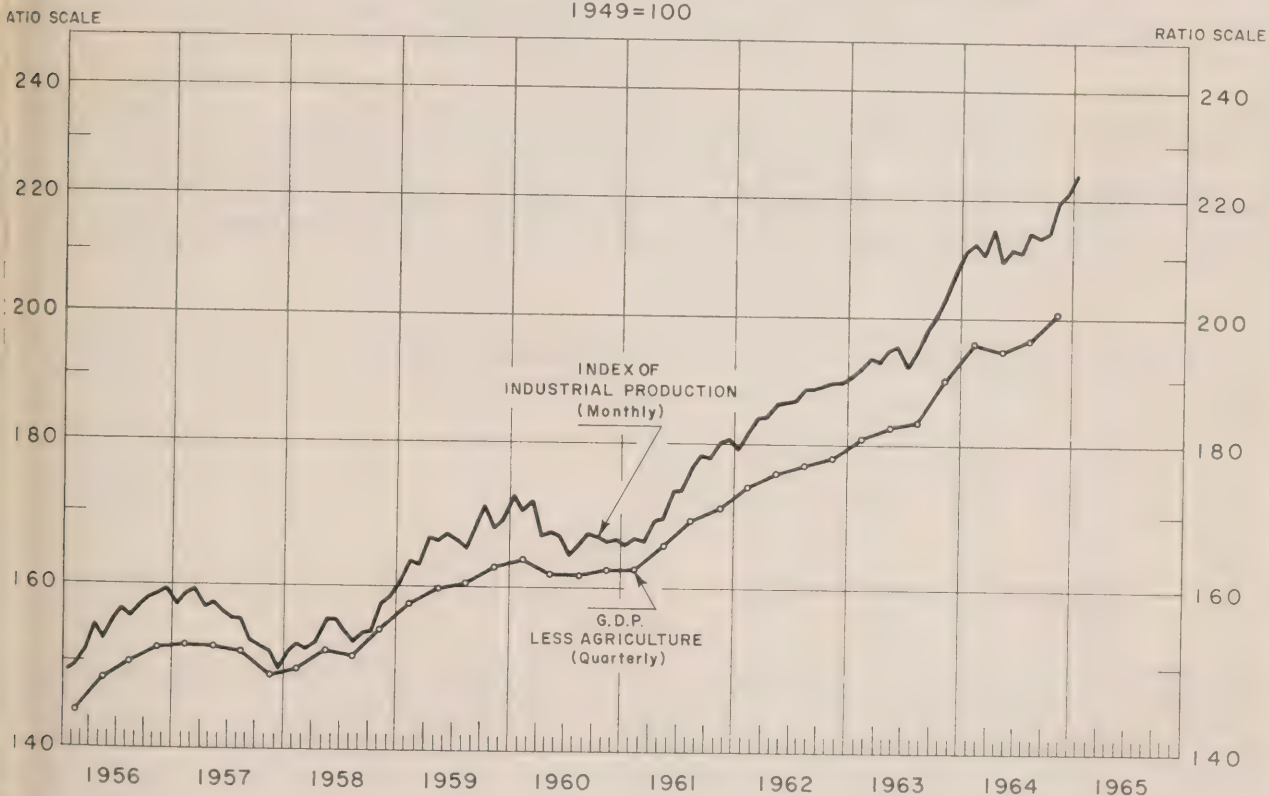
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JANUARY 1965

The seasonally adjusted index of industrial production advanced by 1.5 per cent in January. Non-agricultural output was up by two per cent in the fourth quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the 4th quarter and year 1964.

Industrial Output Section
National Accounts and Balance of Payments Division

arch 1965
205-502

JANUARY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production reached a new high in January, up by 1.5% in the month to 224.6. This latest increase left the index of industrial production higher by more than 35% than the January 1961 level, when the current production expansion began.

In January, manufacturing production advanced by almost 2% and mining by almost 3%, while the output of electric power and gas utilities declined by more than 1%. The biggest influences on the index of industrial production in January were large gains in the motor vehicle and parts industries reflecting the settlement of a major strike in the industry in December. Even with this gain, the motor vehicle industry has not quite returned to the production levels prevailing in August and September of 1964.

Returning to January movements, durable manufacturing, reflecting motor vehicles' movements among others, advanced by 4%. However, wood products were also up by more than 5%, as sawmills recovered most of the ground lost in December. With primary iron and steel production showing a drop from its very high December level, total iron and steel fell by almost 2%. Non-metallic mineral products declined by almost 6%, also from an unusually high December level. Elsewhere, non-ferrous metal products fell by 3% and electrical apparatus and supplies gained 2%.

Non-durable output declined by almost one-half of one per cent in January, mostly due to chemicals where relatively large drops were recorded in both acids and paints and varnishes. However, pulp and paper and roofing paper also contributed almost equally to a 2% fall in paper products. Tobacco, leather and clothing each declined by 1%, petroleum refining by 4% and rubber products by 6%. Printing and publishing and foods and beverages showed gains in the month, the latter due mostly to a large gain in brewery production, apparently in association with the Quebec liquor strike at that time.

Total mining production was also somewhat higher in January led by an 8% gain in metals. This was due mostly to iron ore and other metals (including uranium); fuel mining also moved higher.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.

TABLE 1. Industrial Production Indexes

(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					1965
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL	32.231	1	214.3	213.5	214.2	219.8	221.2	224.6
MINING, TOTAL	3.245	2	313.7	308.1	320.8	334.8	334.4	343.6
Metals	1.925	2	206.0	201.2	211.3	218.0	209.3	226.6
Gold	0.624	5	95.2	91.5	90.1	94.9	87.0	90.3
Copper	0.356	4	191.7	173.6	191.8	193.5	194.1	197.0
Iron ore	0.099	3	833.6	825.9	904.7	958.7	905.8	1,021.0
Nickel	0.337	4	165.9	156.6	187.6	190.6	215.9	215.6
Non-metals	0.268	5	243.9	234.9	250.9	263.6	271.0	253.1
Asbestos	0.214	5	253.3	246.4	266.9	277.4	288.6	252.7
Fuels	0.915	3	547.6	540.3	555.6	581.9	586.1	592.4
Coal	0.553	6	59.7	55.0	53.3	51.9	54.3	55.8
Natural gas	0.035	2	1,492.1	1,380.3	1,468.5	1,414.4	1,524.9	1,408.1
Petroleum	0.327	3	1,270.1	1,269.7	1,305.8	1,387.6	1,383.2	1,411.1
MANUFACTURING, TOTAL	27.340	3	191.1	190.1	188.8	194.0	194.9	198.2
NON-DURABLE MANUFACTURES	14.742	3	184.9	184.7	186.5	189.9	193.1	192.4
Foods and beverages	3.814	4	173.1	170.0	174.3	178.4	185.2	188.4
Foods	2.896	4	169.2	167.2	171.3	172.8	178.2	178.3
Meat products	0.523	4	187.3	184.8	183.7	183.9	214.4	202.5
Dairy products	0.450	3	167.7	164.4	166.0	178.6	164.7	173.2
Canning and processing	0.453	4	160.9	167.4	178.1	178.6	179.8	184.6
Grain mill products	0.322	4	186.1	177.4	183.3	179.3	179.8	179.7
Bakery products	0.558	3	144.6	145.3	147.7	146.8	145.3	155.0
Miscellaneous foods	0.590	4	174.6	168.5	175.2	175.0	179.9	177.1
Beverages	0.918	6	185.3	178.9	183.6	196.1	207.0	220.2
Carbonated beverages	0.231	6	176.3	177.5	181.2	190.0	180.5	171.5
Breweries	0.463	6	169.9	155.6	158.6	180.4	183.0	229.6
Distilleries	0.203	6	234.9	237.9	251.3	243.4	296.9	258.6
Tobacco and tobacco products ..	0.248	6	232.4	227.5	227.8	221.4	221.2	218.9
Rubber products	0.430	3	210.4	215.5	204.4	217.5	229.7	215.2
Leather products	0.508	2	134.2	130.5	130.9	129.1	133.4	132.2
Boots and shoes	0.307	4	144.4	137.3	139.6	137.4	144.0	
Textiles	1.623	3	174.4	174.2	172.8	176.6	174.4	178.8
Cotton goods	0.507	4	130.9	121.2	118.2	122.4	112.3	126.2
Wool goods	0.300	3	83.5	83.5	88.6	83.2	83.5	95.5
Synthetic Textiles and Silk	0.429	3	308.0	316.5	313.3	328.2	329.7	314.8
Clothing	1.801	3	136.7	138.8	136.5	138.6	139.0	138.5
Paper products	2.649	3	181.2	179.2	182.7	186.8	189.5	185.6
Pulp and paper	2.108	3	184.1	180.1	183.3	188.1	190.3	187.0

TABLE 1. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964					1965
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing,publishing and allied industries	1.273	4	154.3	163.1	169.1	166.5	161.1	172.0
Products of petroleum and coal	0.513	3	307.7	292.5	298.5	307.7	320.0	307.9
Petroleum products	0.454	3	333.2	315.7	322.0	332.0	346.2	331.7
Chemicals and allied products	1.359	2	281.9	287.6	288.4	297.1	305.3	288.7
Acids, alkalies, salts and fertilizers	0.346	2	336.5	365.9	354.0	364.8	364.4	337.8
Miscellaneous manufactures	0.524	1	266.8	267.1	265.2	262.0	261.5	267.7
DURABLE MANUFACTURES	12.598	3	198.4	196.4	191.5	198.8	197.1	204.9
Wood products	2.108	2	169.5	163.6	169.4	172.6	163.6	172.1
Saw and planing mills	1.444	3	186.5	177.7	185.3	188.8	175.0	186.6
Veneers and plywoods	0.122	3	423.3	380.5	412.3	420.5	420.4	418.3
Sawmills	0.994	4	177.6	170.1	177.1	179.8	158.6	174.2
Furniture	0.460	2	155.0	155.0	157.2	160.2	161.4	163.8
Iron and steel products	4.026	2	183.5	180.6	186.2	192.4	198.7	195.0
Machinery	0.851	1	183.2	181.9	183.3	187.3	190.1	195.1
Iron castings	0.387	3	193.5	174.3	170.8	183.8	196.3	186.9
Primary iron and steel	0.845	2	245.6	240.8	252.3	255.0	272.2	251.6
Sheet metal products	0.359	1	159.9	161.4	168.0	172.8	178.3	184.8
Transportation equipment	2.651	4	221.7	220.2	177.2	193.1	168.7	211.3
Aircraft and parts	0.203	1	281.9	274.9	271.7	278.4	270.7	277.3
Motor vehicles	1.035	4	323.8	321.4	218.8	255.5	208.8	295.4
Motor vehicle parts	0.462	2	238.9	238.2	216.9	214.5	178.2	226.2
Railway rolling stock	0.621	1	47.6	46.6	47.8	49.3	49.7	50.7
Shipbuilding and repairs	0.261	1	185.2	184.4	190.5	199.6	206.5	206.4
Non-ferrous metal products	1.601	3	156.6	159.3	166.1	166.7	172.5	167.4
Brass and copper products ...	0.241	1	144.5	146.7	151.1	155.2	159.9	164.1
Smelting and refining	1.028	3	169.4	172.5	183.4	182.3	189.8	179.8
Electrical apparatus and supplies	1.418	2	244.0	242.9	246.3	249.2	248.5	253.1
Heavy electrical machinery ..	0.489	1	159.9	161.4	162.4	163.1	164.5	167.1
Telecommunication equipment	0.142	3	596.4	585.2	609.6	626.7		
Refrigerators and appliances	0.227	3	249.2	246.9	253.9	248.1	234.2	242.1
Non-metallic mineral products	0.794	2	275.3	276.3	278.4	294.7	330.2	311.1
Concrete products	0.098	4	855.5	832.4	829.2	926.4	1,127.1	1,026.1
Hydraulic cement	0.117	5	260.9	269.5	285.9	304.9	328.7	336.1
Domestic clay products	0.083	3	148.5	140.2	144.8	151.1	149.8	166.1
ELECTRIC POWER AND GAS UTILITIES	1.646	2	403.7	416.1	426.9	421.8	434.9	429.1
Electric power	1.480	2	367.8	378.2	383.6	385.3	398.3	397.1
Gas	0.166	3	725.4	756.4	815.0	748.8	763.2	709.1

TABLE 2. Industrial Production Indexes

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963		1964	1964		1965
	1963	1964	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
INDUSTRIAL PRODUCTION, TOTAL ..	195.9	212.7	210.8	199.1	202.1	227.0	212.6	214.4
MINING, TOTAL	294.4	320.3	306.7	296.7	320.1	332.8	316.0	328.1
Metals	193.8	210.6	201.7	183.7	198.6	210.2	186.2	203.8
Gold	95.5	90.7	96.5	88.8	86.3	98.2	85.7	88.8
Copper	174.0	186.1	195.9	162.4	172.8	211.9	190.2	183.2
Iron ore	670.8	834.2	663.3	607.1	472.4	719.0	573.4	622.8
Nickel	171.0	181.3	170.2	175.6	163.9	201.8	215.9	213.2
Non-metals	228.1	247.7	274.4	221.9	207.7	289.8	240.3	225.6
Asbestos	239.1	259.2	288.6	225.8	222.9	302.1	253.1	233.0
Fuels	513.6	555.2	522.1	561.1	620.5	576.5	609.1	634.3
Coal	52.0	55.1	61.9	59.2	62.6	66.4	63.5	67.7
Natural gas	1,179.8	1,383.1	1,330.6	1,432.4	1,500.6	1,483.7	1,775.0	1,717.9
Petroleum	1,221.6	1,310.8	1,212.5	1,315.0	1,468.0	1,340.4	1,405.3	1,474.6
MANUFACTURING, TOTAL	173.9	188.3	187.6	173.4	173.2	201.8	184.3	184.6
DURABLE MANUFACTURES	172.2	184.5	184.2	169.2	165.5	198.9	182.4	175.7
Food and beverages	162.1	174.0	178.3	153.5	140.2	191.9	171.9	150.8
Food	157.2	169.5	169.6	151.9	145.6	182.8	168.3	152.6
Meat products	163.6	182.8	190.6	157.6	178.2	207.4	203.7	199.7
Dairy products	163.5	168.6	143.2	144.0	134.5	155.9	142.8	138.9
Canning and processing	165.4	176.6	179.4	134.7	83.5	191.9	153.9	92.8
Grain mill products	145.9	183.2	167.2	158.9	186.9	188.4	176.9	174.8
Bakery products	138.8	144.5	139.8	136.1	132.1	151.8	146.7	141.1
Miscellaneous foods	164.3	169.0	193.0	177.2	163.0	200.8	182.9	165.7
Beverages	177.6	187.4	205.8	158.5	123.2	220.7	183.4	145.4
Carbonated beverages	178.7	181.6	180.6	166.6	139.1	180.5	176.9	138.4
Breweries	159.9	168.2	170.2	151.4	84.2	185.4	164.7	124.0
Distilleries	220.3	242.5	323.6	170.4	193.7	352.9	238.7	203.0
Tobacco and tobacco products	207.7	214.0	219.4	188.2	199.6	236.2	199.1	208.8
Rubber products	190.5	213.8	211.4	188.0	186.4	237.3	213.6	200.1
Leather products	127.0	130.5	135.1	118.2	128.4	132.8	122.2	136.0
Boots and shoes	136.9	138.6	144.2	119.2	135.3	137.4	122.4	
Textiles	159.5	172.3	172.3	169.0	163.6	184.5	171.7	172.4
Cotton goods	109.6	120.1	124.0	117.3	115.5	130.7	109.7	122.0
Wool goods	89.8	89.8	98.9	87.4	92.0	89.9	79.3	83.4
Synthetic textiles and silk	281.0	307.2	298.6	302.0	281.0	337.4	322.8	308.8
Clothing	137.0(1)	135.8	142.8	118.0	119.7	152.5	116.8	120.5
Paper products	164.3	179.0	176.9	167.2	161.2	194.3	178.9	173.1
Pulp and paper	163.8	180.0	178.5	167.7	161.0	197.3	178.9	174.3

See page 2 footnote (2).

TABLE 2. Industrial Production Indexes - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963		1964		1964	
	1963	1964	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	163.5	157.2	153.4	173.1	159.5	162.1
Products of petroleum and coal	296.0	304.2	306.7	307.4	305.5	312.9	325.3	314.1
Petroleum products	319.7	329.5	331.8	332.5	338.6	338.6	353.1	339.1
Chemicals and allied products	249.1	279.8	258.5	244.9	260.4	292.4	285.5	280.1
Acids, alkalies, salts and fertilizers	302.0	335.0	308.7	304.3	304.1	361.2	364.4	337.1
Miscellaneous manufactures	246.6	261.9	262.8	252.5	244.5	278.5	266.7	259.1
DURABLE MANUFACTURES	175.9	192.9	191.5	178.4	182.2	205.2	186.5	195.1
Wood products	159.0	166.7	150.7	146.6	158.8	157.4	145.7	158.1
Saw and planing mills	172.1	181.3	157.2	152.4	172.1	164.2	148.2	168.1
Veneers and plywoods	358.8	399.2	388.7	373.3	395.5	414.6	386.8	403.1
Sawmills	162.3	170.4	134.8	131.2	158.0	143.8	125.0	154.1
Furniture	153.0	157.9	161.2	158.4	153.2	167.9	165.3	161.1
Iron and steel products	161.8	182.1	170.3	155.8	162.8	195.2	183.3	180.1
Machinery	160.2	179.2	165.0	163.6	163.9	192.7	192.8	191.1
Iron castings	151.1	180.7	150.8	129.1	164.3	175.3	157.0	168.1
Primary iron and steel	216.9	244.9	243.6	210.8	220.5	261.9	242.3	230.1
Sheet metal products	156.9	164.3	154.6	147.7	145.9	171.1	166.5	165.1
Transportation equipment	181.4	198.9	227.9	217.2	219.2	213.3	174.2	226.1
Aircraft and parts	233.8	270.9	252.6	258.5	263.8	275.6	275.6	278.1
Motor vehicles	257.6	277.1	362.4	330.2	332.3	309.1	225.5	336.1
Motor vehicle parts	179.5	215.6	202.0	214.0	218.9	214.5	178.2	229.1
Railway rolling stock	41.1	47.3	44.4	43.9	43.9	50.0	49.9	50.1
Shipbuilding and repairs	197.2	187.6	189.2	182.7	181.7	195.2	193.7	194.1
Non-ferrous metal products	148.8	161.8	152.6	150.2	153.7	168.9	172.5	168.1
Brass and copper products ...	133.4	149.6	139.6	139.0	140.4	154.6	157.5	160.1
Smelting and refining	161.6	175.7	163.8	160.8	166.5	184.1	189.8	183.1
Electrical apparatus and supplies	223.5	239.0	247.3	229.5	225.9	267.2	248.1	246.1
Heavy electrical machinery ..	154.3	161.0	155.6	156.5	155.3	167.8	169.1	167.1
Telecommunication equipment	546.9	581.6	687.1	559.7	556.6	747.0		
Refrigerators and appliances	221.6	233.9	253.2	223.7	209.1	258.0	222.5	231.1
Non-metallic mineral products	243.0	277.6	265.5	213.2	199.3	318.3	270.4	224.1
Concrete products	652.3	849.5	749.5	535.2	472.1	1,030.2	789.0	537.1
Hydraulic cement	246.0	277.5	257.6	128.6	128.5	315.0	218.6	185.1
Domestic clay products	136.7	146.3	154.2	122.8	95.5	165.5	145.3	124.1
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	406.5	434.0	448.6	437.1	479.1	481.1
Electric power	339.2	371.6	380.2	391.8	389.2	402.3	426.2	425.1
Gas	620.1	711.1	642.7	812.0	981.3	748.8	954.0	1,031.1

Real Domestic Product less Agriculture

Note to Users

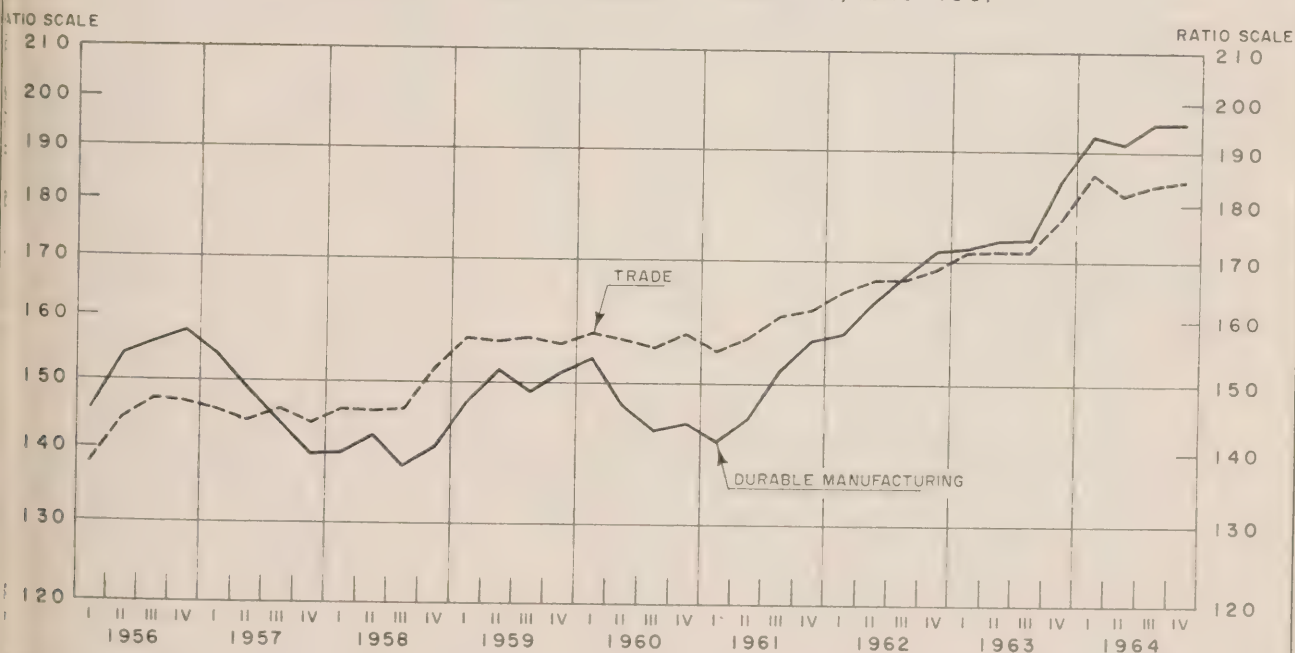
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF DURABLE MANUFACTURING WITH TRADE,
BY QUARTERS, 1956 - 64
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, FOURTH QUARTER AND PRELIMINARY YEAR 1964

Seasonally adjusted real domestic product less agriculture for the fourth quarter of 1964 was some 2 per cent above the level attained in the third quarter. The year 1964 thus showed an increase of almost 7 per cent over the 1963 annual level, which is considerably higher than the average annual rate of growth of 4.5 per cent for the post-war period as a whole. However, within 1964, the very rapid advances of the first and final quarters were counteracted to some extent by a levelling off around mid-year.

The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production. During the fourth quarter of 1964, the expansion was in its fifteenth quarter, and non-agricultural real output had reached a level 24 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course (10 quarters) of the 1954-56 expansion and the 10 per cent advance (9 quarters) made during the 1957-60 cyclical upturn.

	IQ'61 - IQ'64		IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	20.8	20.8	20.1	20.1	21.1	21.1	23.7	23.7
Forestry	29.6	.6	18.2	.3	29.1	.5	21.9	.4
Fishing and trapping ..	- 6.3	--	- 18.5	- .1	- 13.6	- .1	- 1.3	--
Mining	29.9	1.7	29.1	1.6	24.6	1.4	31.5	1.8
Manufacturing	26.4	7.4	26.7	7.5	28.1	7.8	30.4	8.5
Non-durable	18.3	2.9	19.5	3.1	19.8	3.1	23.8	3.7
Durable	36.6	4.5	35.8	4.4	38.4	4.7	38.6	4.8
Construction	22.0	1.5	15.3	1.1	15.2	1.1	25.7	1.8
Electric power and gas								
utilities	28.4	1.0	31.2	1.1	35.1	1.2	40.7	1.4
Other Goods, n.e.c. ...	7.9	.1	8.2	.1	8.6	.1	8.9	.1
Transportation, storage								
and communication ...	22.4	2.2	24.6	2.4	25.1	2.4	27.8	2.7
Transportation	24.2	1.7	25.8	1.8	26.3	1.9	30.0	2.1
Trade	19.9	3.1	17.2	2.7	18.5	2.9	19.2	3.0
Wholesale	30.5	1.6	26.3	1.4	25.7	1.4	25.3	1.4
Retail	14.3	1.5	12.4	1.3	14.6	1.5	16.0	1.6
Finance, insurance and								
real estate	16.1	1.7	16.4	1.8	17.7	1.9	19.7	2.2
Public administration								
and defence	3.6	.2	3.9	.2	3.8	.2	3.8	.2
Community, recreation,								
business and personal								
service	13.0	1.4	13.8	1.4	14.9	1.6	16.0	1.7

Turning to the fourth quarter of 1964, the most notable developments were the declines in motor vehicle production and sales and the increases in construction and the industries concerned with the production and sale of building materials. The former resulted from production stoppages due to labour disputes in the industry both in Canada and the United States. The latter were probably largely associated with anticipatory buying of building materials prior to the imposition of the final stage of the tax on these commodities on January 1, 1965, and with the stimulating effects of the government winter house-building incentive programme. It is interesting to note that the direct effects on non-agricultural output of the decline associated with motor vehicles and the rise associated with construction were roughly offsetting. Thus, if it is assumed that the production and sales of motor vehicles and parts had remained at the levels attained in the third quarter, the fourth quarter gain in non-agricultural real output would have been 3 per cent (as opposed to the actual increase of 2 per cent). Similarly, if it is assumed that there had been no change in the output of the construction and building materials industries from the preceding quarter, total non-agricultural output would have

shown a gain of only one per cent. The direct effect in each case is to change non-agricultural real output by one per cent, but in opposite directions. Thus the industries outside the motor vehicle and construction groups advanced at about the rate actually recorded by the aggregate (i.e. over 2 per cent), which, in view of the widespread nature of the increases, indicates the continued strength of expansionary forces in the economy.

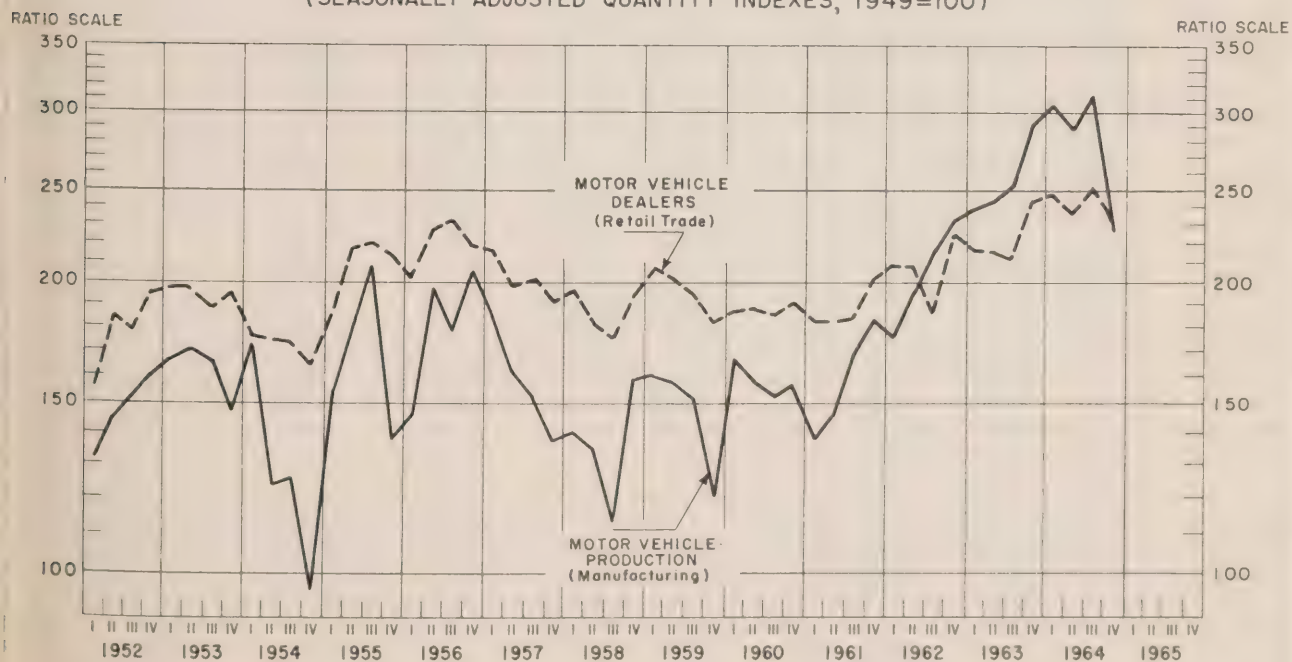
Construction, manufacturing and mining were the largest contributors to the fourth quarter gain, with the last two jointly accounting for over one third of the actual increase in non-agricultural real output. Construction contributed about one quarter of the increase.

Within manufacturing, which advanced by about 2 per cent, durables showed no change from the previous quarter, as the substantial declines in motor vehicles and parts production, resulting from strikes in the industry, were offset by increases in all the other major groups. The iron and steel products, non-ferrous metal products and non-metallic mineral products groups, in particular, showed considerable gains. A 6 per cent advance was recorded by the first two groups, with most components contributing: smelting and refining, primary iron and steel and sheet metal products showed gains of 7 to 8 per cent. The output of some other components, such as wire goods and structural steel, also expanded substantially in the fourth quarter, as did most components of the non-metallic minerals group, where advances of about 16 per cent were recorded in the cement and concrete products industries.

As mentioned before, the only major declines in durables occurred in motor vehicle production (-27 per cent) and motor vehicle parts (-15 per cent), resulting in a 17 per cent drop in the transportation equipment group, in spite of some gains in other components, principally shipbuilding. The quarterly decline in motor vehicle output is the second to occur during the current expansion, over the course of which automobile production had increased by 126 per cent (from the first quarter of 1961 to the third quarter of 1964). The following chart puts into perspective these changes in motor vehicle production along with those in the motor vehicle dealer industry. In comparing the growth patterns of both industries, the basic similarities of movement are immediately apparent, but it should be remembered that motor vehicle production includes production of all vehicles both for domestic use and for export, while the motor vehicle dealer industry, a component of retail trade, in addition to new Canadian-made vehicles, deals in imported vehicles, used cars, gasoline and various goods and services related to these.

COMPARISON OF MOTOR VEHICLE PRODUCTION AND MOTOR VEHICLE DEALERS (RETAIL TRADE) BY QUARTERS, 1952-64

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



Non-durable manufacturing showed an increase of more than 3 per cent in the fourth quarter. All major groups (except tobacco products) contributed to the gain. Fully one third of this increase came from the foods and beverages group, which was up by 5 per cent, with the 7 per cent increases in meat products and in canning and preserving being among the main contributors. Distilleries and breweries also showed substantial gains. The 7 per cent increase in the output of the chemicals group accounted for another quarter of the rise in non-durable manufacturing. Particularly strong gains were recorded in the paints, varnishes and lacquers industry. The paper products group increased by per cent, largely as a result of the 3 per cent gain in pulp and paper production. However, the roofing paper industry also showed substantial gains.

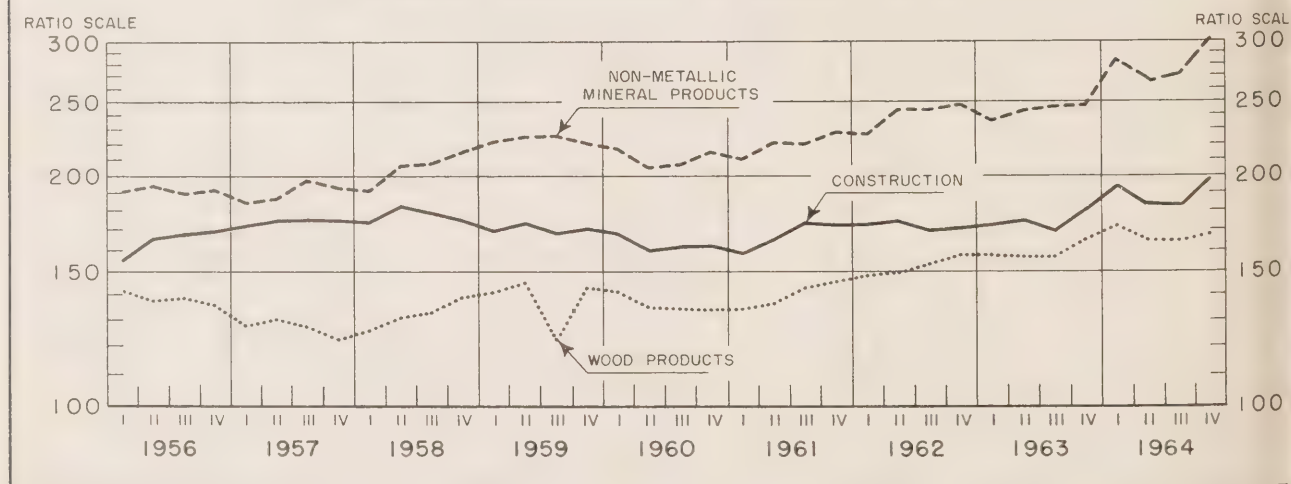
Among the remaining industry divisions, increases of 4 and 6 per cent, respectively, occurred in the electric power and gas utilities and mining divisions. Most components of metal mining showed substantial increases ranging from 5 to 20 per cent. The only major decline occurred in the other metal mining industries, (including uranium).

Within trade, retail trade increased by 1 per cent, while wholesale trade declined fractionally. At the retail level, the gains came from department stores, food stores and from the particularly sharp advance in the sales of lumber and building material dealers. Motor vehicle dealer sale showed a substantial decline. A similar pattern of gains and decreases at the individual trade level took place in wholesale trade.

The transportation, storage and communication group increased by more than 2 per cent in the fourth quarter, largely as a result of a 3 per cent gain in transportation. Within transportation, railway transport and shipping were the main contributors to the advance, followed by oil and gas pipelines and air transport. Storage at grain elevators showed a further decline in the quarter, while the communication industries continued their steady advance.

Of the remaining industry groups, finance, insurance and real estate increased by about 2 per cent, and the community, recreation, business and personal service group advanced by one per cent, with most of the increase coming from the community and personal service groups. Public administration and defence declined fractionally, as it did in the previous quarter.

COMPARISON OF CONSTRUCTION AND RELATED INDUSTRIES BY QUARTERS, 1956-64
(SEASONALLY ADJUSTED QUANTITY INDEXES; 1949 = 100)



A comparison of the annual averages for 1964 with those for 1963, shows that most industry groups recorded higher than average increases. The exceptions were mining and electric power and gas utilities, which continued to show the very high gains of 9 and 10 per cent, respectively, which they have maintained, on average, throughout most of the post-war period. Finance, insurance, and real estate, public administration and defence and fishing and trapping were below trend. The largest single contributor to the gain in the total was manufacturing, with an 8 per cent increase, followed by transportation and trade, which increased by 10 and 6 per cent, respectively. The 1964 increase (10%) in construction was the highest since 1956.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1961 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.9	167.0	133.0	325.8	222.4	232.4	542.9	186.7	181.3
2	194.8	152.4	115.7	323.9	216.8	253.0	556.7	187.2	183.3
3	196.4	166.4	122.6	312.6	202.4	246.9	549.0	189.2	183.7
4	200.7	157.1	140.0	330.0	212.9	261.8	574.5	192.6	189.8
Without seasonal adjustment									
1961	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.5	160.8	123.6	320.3	210.6	247.7	555.2	188.3	184.5
1961 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.4
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.3	140.4	78.6	312.5	197.5	218.6	588.3	181.0	174.4
2	197.6	138.9	118.3	322.0	224.3	257.4	526.9	191.7	184.0
3	200.3	196.8	168.2	319.8	214.7	246.9	527.4	186.0	186.2
4	205.0	166.9	129.2	327.3	205.9	268.0	578.2	194.6	193.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.5
2	172.3	213.3	218.9	131.9	173.7	129.2	176.4	172.0
3	171.3	223.6	208.0	131.3	172.7	138.2	179.2	158.8
4	179.3	223.5	217.2	131.1	174.6	138.0	186.3	165.6
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.0	214.0	213.8	130.5	172.3	135.8	179.0	164.6
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.7	195.5	215.8	137.3	172.1	133.6	170.0	158.5
2	171.9	226.6	230.4	133.5	178.9	117.2	178.0	174.7
3	188.0	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	186.5	222.9	222.4	128.9	178.5	144.0	187.3	169.9

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
49 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
61 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
62 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
63 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
64 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.7	261.2	191.9	164.6	180.8	202.3	162.3
3	303.0	278.8	266.2	195.6	164.4	181.5	217.3	159.0
4	308.7	297.0	262.9	195.8	168.5	192.4	179.7	168.4
	Without seasonal adjustment							
61	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
62	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
63	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
64	304.2	279.8	261.9	192.9	166.7	182.1	198.9	161.8
61 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
62 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
63 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
64 - 1	306.2	272.5	247.5	188.7	170.3	169.7	223.7	156.5
2	290.3	285.2	254.7	200.8	165.6	186.2	236.2	163.0
3	308.0	272.6	269.7	185.8	174.0	182.7	149.4	157.7
4	312.2	289.1	275.5	196.3	157.0	189.9	186.2	169.9

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
	Seasonally adjusted							
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
1964 - 1	231.0	283.9	193.4	390.6	205.9	193.7	234.4	185.7
2	236.4	266.3	182.7	399.1	209.5	196.3	256.6	181.5
3	240.6	271.3	182.6	410.7	210.5	197.0	254.7	183.5
4	248.0	301.1	199.2	427.8	215.0	202.8	216.7	184.6
	Without seasonal adjustment							
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.2
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2
1964	239.0	277.6	190.4	405.6	209.7	197.0	239.7	183.1
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.2
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.5
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.4
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.6
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.0
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.1
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.1
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.0
1964 - 1	227.1	213.1	127.5	439.2	186.7	170.0	196.8	169.2
2	229.7	275.3	188.1	387.5	213.4	202.7	257.6	188.2
3	238.7	316.6	230.2	357.0	223.1	214.9	261.9	175.2
4	260.4	305.6	215.8	438.9	215.8	200.3	242.2	199.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries	Index of Industrial Production
99 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	202.0	177.2	200.9	189.1	168.4	196.2	192.8	211.0
2	195.5	174.2	201.5	189.6	169.6	194.9	193.9	211.8
3	194.6	177.7	203.7	189.5	171.2	196.6	194.7	212.9
4	193.9	179.8	207.2	189.4	172.8	201.3	195.3	218.4
Without seasonal adjustment								
.....	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
.....	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
.....	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
.....	196.4	176.8	203.1	189.3	170.5	196.8	194.1	212.7
1 - 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
2 - 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
3 - 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
4 - 1	202.2	153.1	197.0	183.1	163.7	182.7	188.9	207.4
2	206.1	179.1	202.9	189.9	169.8	198.0	194.2	214.8
3	182.6	172.5	207.0	196.7	175.6	200.4	199.1	208.2
4	194.9	202.5	205.6	187.5	172.8	206.1	194.1	220.4

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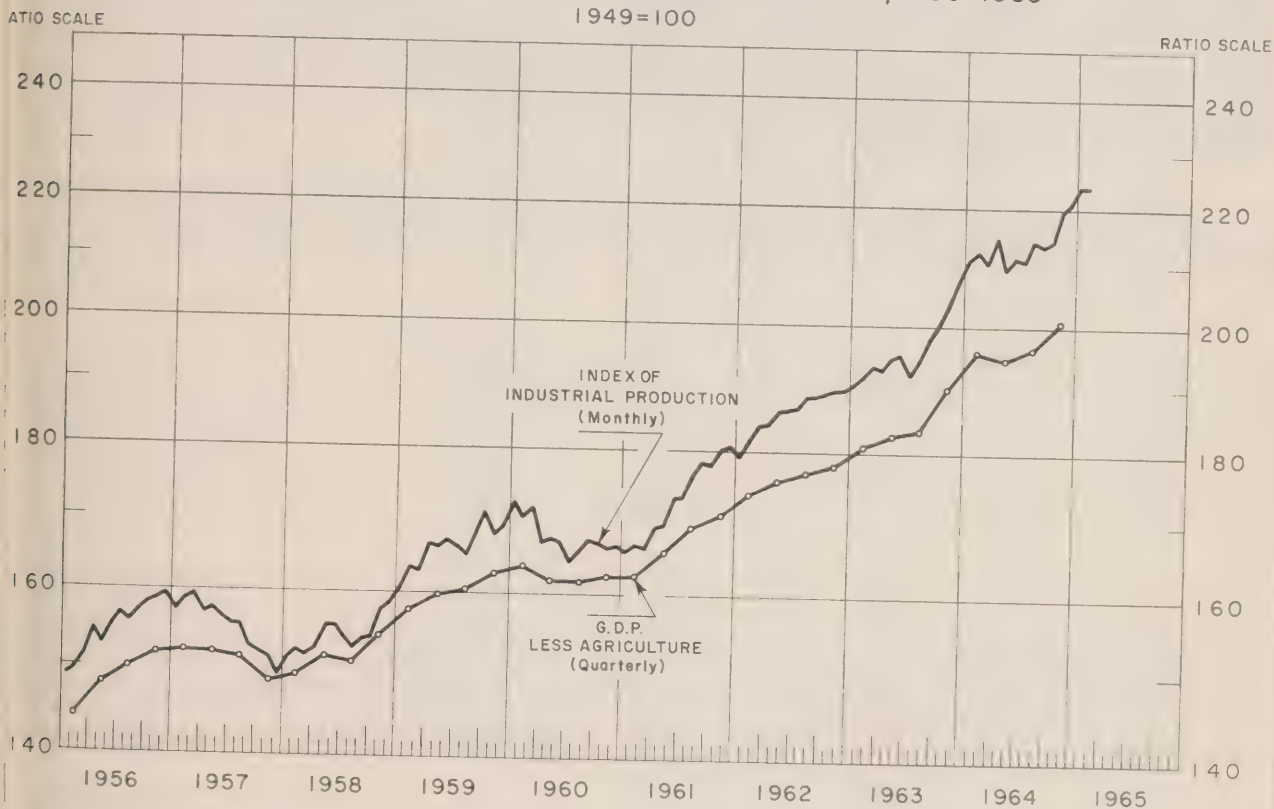
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

FEBRUARY 1965

The seasonally adjusted index of industrial production was virtually unchanged in February.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (4th quarter 1964)

Industrial Output Section
National Accounts and Balance of Payments Division

11 1965
5-502

FEBRUARY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production was virtually unchanged in February from the revised January level of 223.9. Both manufacturing and electric power and gas utilities registered marginally higher levels in February. However, these were offset by a decline of almost 2% in mining.

Although most of the non-durable major groups moved higher in February, a large decline in food and beverages nullified these increases, so that total non-durable output was little changed. The particular source of the change was a very large drop in brewery production, offset to some extent by an increase in carbonated beverages. The former fell to a more normal level following the recent high production levels, apparently associated with the Quebec Liquor strike. Elsewhere production gains occurred in paper, printing, tobacco, rubber, and textile products.

Within durables, production was higher by about one-half of one percent. The biggest single influence was a 4% gain in transportation equipment, as motor vehicles and parts continued their climb back from strike - depressed levels of the past several months. In addition, gains of up to 3% occurred in electrical apparatus and supplies, non-metallic minerals and non-ferrous metal products. However, wood products and iron and steel products showed drops of 3% and 2% respectively, the latter due to large declines in heating and cooking apparatus and wire products, as primary iron and steel showed little change from its high level.

The 2% drop in mining originated in both metals and fuel, the former due largely to other metals (including uranium), while the latter was caused by crude petroleum. On the other hand, non-metals moved higher in the month.

NOTES

1. For a detailed description of concepts, sources and methods, see D.B.S. Catalogue No. 61-502, "Revised Index of Industrial Production". For a complete and continuous record of total industrial production along with component industry indexes on both a seasonally unadjusted and adjusted basis, use D.B.S. Reference Paper 61-502 for the period 1935 to 1956 inclusive, the March 1963 supplement to this report for the period 1919 to 1934, the March 1964 supplement for the period 1957 to 1963 inclusive and the regular monthly reports thereafter.
2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. It should be noted that the 1949 weights shown in Table 1 have been re-expressed as proportions of total Gross Domestic Product rather than of Industrial Production alone. Thus, the Index of Industrial Production represents 32.231% of total real output.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964				1965	
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL	32.231	1	213.5	214.2	219.8	221.2	223.9	223.8
MINING, TOTAL	3.245	2	308.1	320.8	334.8	334.4	338.2	332.6
Metals	1.925	2	201.2	211.3	218.0	209.3	228.1	222.2
Gold	0.624	5	91.5	90.1	94.9	87.0	90.0	86.4
Copper	0.356	4	173.6	191.8	193.5	194.1	197.8	195.8
Iron ore	0.099	3	825.9	904.7	958.7	905.8	1,021.0	1,053.3
Nickel	0.337	4	156.6	187.6	190.6	215.9	215.6	207.6
Non-metals	0.268	5	234.9	250.9	263.6	271.0	253.1	257.6
Asbestos	0.214	5	246.4	266.9	277.4	288.6	252.7	263.8
Fuels	0.915	3	540.3	555.6	581.9	586.1	570.3	561.3
Coal	0.553	6	55.0	53.3	51.9	54.3	56.6	56.5
Natural gas	0.035	2	1,380.3	1,468.5	1,414.4	1,524.9	1,382.5	1,387.6
Petroleum	0.327	3	1,269.7	1,305.8	1,387.6	1,383.2	1,350.6	1,324.9
MANUFACTURING, TOTAL	27.340	3	190.1	188.8	194.0	194.9	197.9	198.3
NON-DURABLE MANUFACTURES	14.742	3	184.7	186.5	189.9	193.1	191.7	191.5
Foods and beverages	3.814	4	170.0	174.3	178.4	185.2	187.2	180.0
Foods	2.896	4	167.2	171.3	172.8	178.2	178.2	174.6
Meat products	0.523	4	184.8	183.7	183.9	214.4	202.5	185.9
Dairy products	0.450	3	164.4	166.0	178.6	164.7	173.4	173.1
Canning and processing	0.453	4	167.4	178.1	178.6	179.8	181.0	189.8
Grain mill products	0.322	4	177.4	183.3	179.3	179.8	188.7	192.8
Bakery products	0.558	3	145.3	147.7	146.8	145.3	153.9	151.6
Miscellaneous foods	0.590	4	168.5	175.2	175.0	179.9	175.3	166.0
Beverages	0.918	6	178.9	183.6	196.1	207.0	215.7	197.1
Carbonated beverages	0.231	6	177.5	181.2	190.0	180.5	171.5	208.2
Breweries	0.463	6	155.6	158.6	180.4	183.0	221.4	162.3
Distilleries	0.203	6	237.9	251.3	243.4	296.9	258.6	268.4
Tobacco and tobacco products ..	0.248	6	227.5	227.8	221.4	221.2	218.9	223.4
Rubber products	0.430	3	215.5	204.4	217.5	229.7	219.5	235.3
Leather products	0.508	2	130.5	130.9	129.1	133.4	128.1	127.6
Boots and shoes	0.307	4	137.3	139.6	137.4	144.0	136.2	135.6
Textiles	1.623	3	174.2	172.8	176.6	174.4	176.7	184.9
Cotton goods	0.507	4	121.2	118.2	122.4	112.3	126.2	135.8
Wool goods	0.300	3	83.5	88.6	83.2	83.5	89.7	82.9
Synthetic Textiles and Silk	0.429	3	316.5	313.3	328.2	329.7	314.8	340.5
Clothing	1.801	3	138.8	136.5	138.6	139.0	138.5	
Paper products	2.649	3	179.2	182.7	186.8	189.5	184.9	186.0
Pulp and paper	2.108	3	180.1	183.3	188.1	190.3	187.0	187.6

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964				1965	
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	163.1	169.1	166.5	161.1	168.1	171.1
Products of petroleum and coal	0.513	3	292.5	298.5	307.7	320.0	325.4	315.1
Petroleum products	0.454	3	315.7	322.0	332.0	346.2	351.5	342.1
Chemicals and allied products	1.359	2	287.6	288.4	297.1	305.3	286.9	285.1
Acids, alkalies, salts and fertilizers	0.346	2	365.9	354.0	364.8	364.4	337.8	347.1
Miscellaneous manufactures	0.524	1	267.1	265.2	262.0	261.5	265.3	269.1
DURABLE MANUFACTURES	12.598	3	196.4	191.5	198.8	197.1	205.1	206.1
Wood products	2.108	2	163.6	169.4	172.6	163.6	171.7	167.1
Saw and planing mills	1.444	3	177.7	185.3	188.8	175.0	186.1	178.1
Veneers and plywoods	0.122	3	380.5	412.3	420.5	420.4	418.3	400.1
Sawmills	0.994	4	170.1	177.1	179.8	158.6	174.2	165.1
Furniture	0.460	2	155.0	157.2	160.2	161.4	164.4	168.1
Iron and steel products	4.026	2	180.6	186.2	192.4	198.7	195.0	191.1
Machinery	0.851	1	181.9	183.3	187.3	190.1	194.7	195.1
Iron castings	0.387	3	174.3	170.8	183.8	196.3	182.8	178.1
Primary iron and steel	0.845	2	240.8	252.3	255.0	272.2	253.8	253.1
Sheet metal products	0.359	1	161.4	168.0	172.8	178.3	182.5	183.1
Transportation equipment	2.651	4	220.2	177.2	193.1	168.7	210.5	214.1
Aircraft and parts	0.203	1	274.9	271.7	278.4	270.7	271.7	267.1
Motor vehicles	1.035	4	321.4	218.8	255.5	208.8	295.4	311.1
Motor vehicle parts	0.462	2	238.2	216.9	214.5	178.2	226.2	241.1
Railway rolling stock	0.621	1	46.6	47.8	49.3	49.7	49.8	51.1
Shipbuilding and repairs	0.261	1	184.4	190.5	199.6	206.5	203.0	199.1
Non-ferrous metal products	1.601	3	159.3	166.1	166.7	172.5	166.1	170.1
Brass and copper products ...	0.241	1	146.7	151.1	155.2	159.9	162.7	163.1
Smelting and refining	1.028	3	172.5	183.4	182.3	189.8	177.5	186.1
Electrical apparatus and supplies	1.418	2	242.9	246.3	249.2	248.5	256.8	256.1
Heavy electrical machinery ..	0.489	1	161.4	162.4	163.1	164.5	169.3	174.1
Telecommunication equipment	0.142	3	585.2	609.6	626.7	618.0	679.1	658.1
Refrigerators and appliances	0.227	3	246.9	253.9	248.1	234.2	228.4	233.1
Non-metallic mineral products	0.794	2	276.3	278.4	294.7	330.2	312.5	311.1
Concrete products	0.098	4	832.4	829.2	926.4	1,127.1	1,026.0	1,011.1
Hydraulic cement	0.117	5	269.5	285.9	304.9	328.7	336.5	335.1
Domestic clay products	0.083	3	140.2	144.8	151.1	149.8	166.8	161.1
ELECTRIC POWER AND GAS UTILITIES	1.646	2	416.1	426.9	421.8	434.9	431.7	441.1
Electric power	1.480	2	378.2	383.6	385.3	398.3	397.8	391.1
Gas	0.166	3	756.4	815.0	748.8	763.2	735.5	711.1

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1963	1964			1965	
			Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
INDUSTRIAL PRODUCTION, TOTAL ..	195.9	212.7	199.1	202.1	211.0	212.6	213.6	223.1
MANUFACTURING, TOTAL	294.4	320.3	296.7	320.1	314.4	316.0	328.6	320.9
Metals	193.8	210.6	183.7	198.6	202.4	186.2	205.4	195.5
Gold	95.5	90.7	88.8	86.3	89.1	85.7	88.5	86.9
Copper	174.0	186.1	162.4	172.8	171.1	190.2	184.0	183.5
Iron ore	670.8	834.2	607.1	472.4	549.2	573.4	622.8	632.0
Nickel	171.0	181.3	175.6	163.9	184.6	215.9	213.2	209.9
Non-metals	228.1	247.7	221.9	207.7	221.8	240.3	225.6	239.8
Asbestos	239.1	259.2	225.8	222.9	243.5	253.1	233.0	258.8
Fuels	513.6	555.2	561.1	620.5	584.7	609.1	632.8	618.1
Coal	52.0	55.1	59.2	62.6	58.1	63.5	68.7	62.6
Natural gas	1,179.8	1,383.1	1,432.4	1,500.6	1,532.2	1,775.0	1,686.7	1,734.5
Petroleum	1,221.6	1,310.8	1,315.0	1,468.0	1,372.3	1,405.3	1,472.1	1,436.2
MANUFACTURING, TOTAL	173.9	188.3	173.4	173.2	184.9	184.3	183.3	194.8
DURABLE MANUFACTURES	172.2	184.5	169.2	165.5	179.3	182.4	175.4	188.1
Food and beverages	162.1	174.0	153.5	140.2	154.7	171.9	150.9	156.1
Grains	157.2	169.5	151.9	145.6	150.9	168.3	152.7	153.4
Meat products	163.6	182.8	157.6	178.2	178.4	203.7	199.7	185.7
Dairy products	163.5	168.6	144.0	134.5	141.6	142.8	139.1	146.6
Canning and processing	165.4	176.6	134.7	83.5	105.4	153.9	90.9	103.2
Grain mill products	145.9	183.2	158.9	186.9	190.8	176.9	183.7	191.9
Bakery products	138.8	144.5	136.1	132.1	131.3	146.7	140.1	139.0
Miscellaneous foods	164.3	169.0	177.2	163.0	165.0	182.9	163.9	160.9
Beverages	177.6	187.4	158.5	123.2	166.7	183.4	145.1	164.6
Carbonated beverages	178.7	181.6	166.6	139.1	159.9	176.9	138.4	181.1
Breweries	159.9	168.2	151.4	84.2	152.0	164.7	124.0	132.3
Distilleries	220.3	242.5	170.4	193.7	214.3	238.7	203.0	224.9
Tobacco and tobacco products	207.7	214.0	188.2	199.6	203.5	199.1	208.8	228.3
Textile products	190.5	213.8	188.0	186.4	242.7	213.6	200.4	262.1
Other products	127.0	130.5	118.2	128.4	145.8	122.2	131.8	140.2
Hats and shoes	136.9	138.6	119.2	135.3	161.6	122.4	141.0	154.3
Textiles	159.5	172.3	169.0	163.6	176.8	171.7	171.4	195.1
Cotton goods	109.6	120.1	117.3	115.5	130.4	109.7	122.0	146.0
Wool goods	89.8	89.8	87.4	92.0	94.9	79.3	83.4	83.5
Synthetic textiles and silk	281.0	307.2	302.0	281.0	310.9	322.8	308.8	372.2
Leather	137.0(1)	135.8	118.0	119.7	138.8	116.8	120.5	
Other products	164.3	179.0	167.2	161.2	173.0	178.9	172.4	184.6
Clay and paper	163.8	180.0	167.7	161.0	173.8	178.9	174.3	189.1

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1963	1964			1965	
	1963	1964	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	157.2	153.4	158.7	159.5	158.6	170
Products of petroleum and coal	296.0	304.2	307.4	305.5	316.8	325.3	332.1	321
Petroleum products	319.7	329.5	332.5	338.6	343.2	353.1	359.9	349
Chemicals and allied products	249.1	279.8	244.9	260.4	273.8	285.5	278.6	289
Acids, alkalies, salts and fertilizers	302.0	335.0	304.3	304.1	321.0	364.4	337.1	367
Miscellaneous manufactures	246.6	261.9	252.5	244.5	247.9	266.7	257.1	257
DURABLE MANUFACTURES	175.9	192.9	178.4	182.2	191.4	186.5	192.6	207
Wood products	159.0	166.7	146.6	158.8	177.2	145.7	158.5	171
Saw and planing mills	172.1	181.3	152.4	172.1	199.4	148.2	168.3	191
Veneers and plywoods	358.8	399.2	373.3	395.5	420.3	386.8	403.7	433
Sawmills	162.3	170.4	131.2	158.0	194.5	125.0	154.2	183
Furniture	153.0	157.9	158.4	153.2	151.1	165.3	161.8	164
Iron and steel products	161.8	182.1	155.8	162.8	171.4	183.3	181.1	182
Machinery	160.2	179.2	163.6	163.9	165.8	192.8	190.6	189
Iron castings	151.1	180.7	129.1	164.3	176.2	157.0	168.2	188
Primary iron and steel	216.9	244.9	210.8	220.5	229.2	242.3	235.3	244
Sheet metal products	156.9	164.3	147.7	145.9	149.7	166.5	163.3	166
Transportation equipment	181.4	198.9	217.2	219.2	224.3	174.2	226.0	233
Aircraft and parts	233.8	270.9	258.5	263.8	264.9	275.6	272.5	266
Motor vehicles	257.6	277.1	330.2	332.3	346.2	225.5	336.7	344
Motor vehicle parts	179.5	215.6	214.0	218.9	217.8	178.2	229.4	244
Railway rolling stock	41.1	47.3	43.9	43.9	44.9	49.9	49.7	50
Shipbuilding and repairs	197.2	187.6	182.7	181.7	178.5	193.7	190.8	188
Non-ferrous metal products	148.8	161.8	150.2	153.7	157.9	172.5	143.8	171
Brass and copper products ...	133.4	149.6	139.0	140.4	143.9	157.5	159.0	166
Smelting and refining	161.6	175.7	160.8	166.5	172.4	189.8	178.9	188
Electrical apparatus and supplies	223.5	239.0	229.5	225.9	229.5	248.1	250.8	211
Heavy electrical machinery ..	154.3	161.0	156.5	155.3	154.4	169.1	169.5	116
Telecommunication equipment	546.9	581.6	559.7	556.6	577.1	611.8	651.9	611
Refrigerators and appliances	221.6	233.9	223.7	209.1	226.3	222.5	218.1	211
Non-metallic mineral products	243.0	277.6	213.2	199.3	219.7	270.4	224.4	211
Concrete products	652.3	849.5	535.2	472.1	560.0	789.0	537.6	511
Hydraulic cement	246.0	277.5	128.6	128.5	175.9	218.6	189.8	111
Domestic clay products	136.7	146.3	122.8	95.5	113.2	145.3	124.3	111
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	434.0	448.6	441.3	479.1	490.0	511
Electric power	339.2	371.6	391.8	389.2	386.1	426.2	425.6	411
Gas	620.1	711.1	812.0	981.3	936.7	954.0	1,067.9	1,111

Real Domestic Product less Agriculture

Note to Users

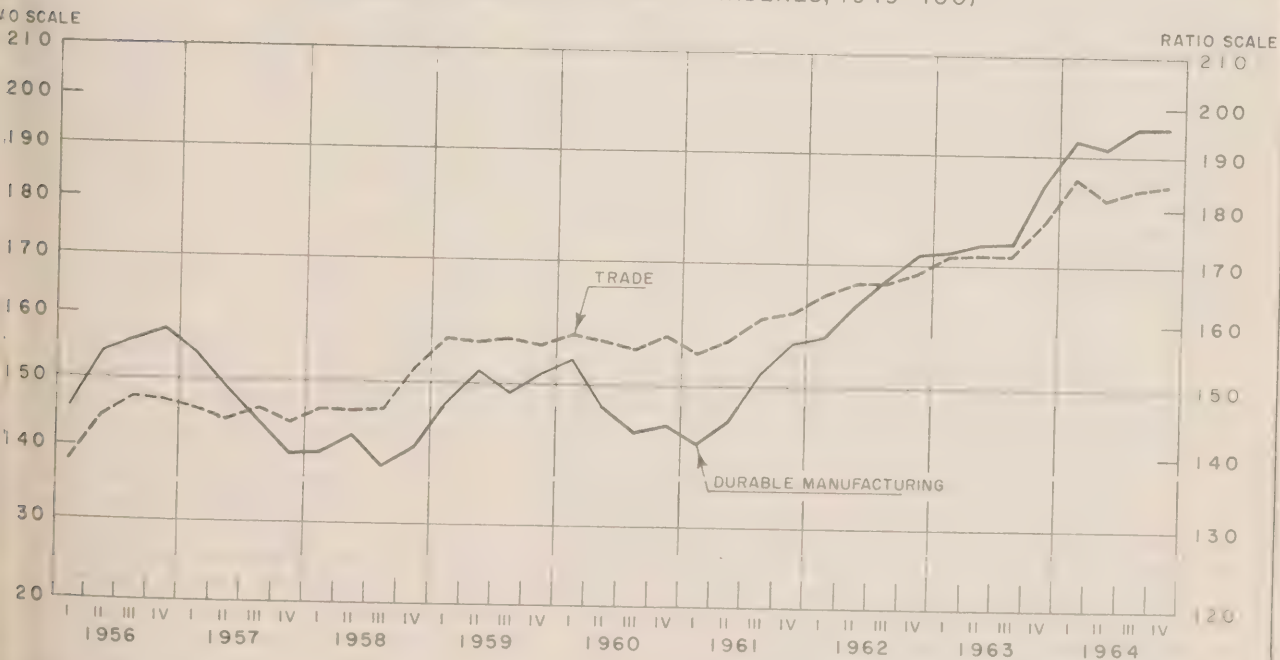
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the full range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross Domestic Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF DURABLE MANUFACTURING WITH TRADE, BY QUARTERS, 1956-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, FOURTH QUARTER AND PRELIMINARY YEAR 1964

Seasonally adjusted real domestic product less agriculture for the fourth quarter of 1964 was some 2 per cent above the level attained in the third quarter. The year 1964 thus showed an increase of almost 7 per cent over the 1963 annual level, which is considerably higher than the average annual rate of growth of 4.5 per cent for the post-war period as a whole. However, within 1964, the very rapid advances of the first and final quarters were counteracted to some extent by a levelling off around mid-year.

The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production. During the fourth quarter of 1964, the expansion was in its fifteenth quarter, and non-agricultural real output had reached a level 24 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course (10 quarters) of the 1954-56 expansion and the 10 per cent advance (9 quarters) made during the 1957-60 cyclical upturn.

	IQ'61 - IQ'64		IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	20.8	20.8	20.1	20.1	21.1	21.1	23.7	23.7
Forestry	29.6	.6	18.2	.3	29.1	.5	21.9	.4
Fishing and trapping ..	- 6.3	--	- 18.5	- .1	- 13.6	- .1	- 1.3	--
Mining	29.9	1.7	29.1	1.6	24.6	1.4	31.5	1.8
Manufacturing	26.4	7.4	26.7	7.5	28.1	7.8	30.4	8.5
Non-durable	18.3	2.9	19.5	3.1	19.8	3.1	23.8	3.7
Durable	36.6	4.5	35.8	4.4	38.4	4.7	38.6	4.8
Construction	22.0	1.5	15.3	1.1	15.2	1.1	25.7	1.8
Electric power and gas								
utilities	28.4	1.0	31.2	1.1	35.1	1.2	40.7	1.4
Other Goods, n.e.c. ...	7.9	.1	8.2	.1	8.6	.1	8.9	.1
Transportation, storage								
and communication ...	22.4	2.2	24.6	2.4	25.1	2.4	27.8	2.7
Transportation	24.2	1.7	25.8	1.8	26.3	1.9	30.0	2.1
Trade	19.9	3.1	17.2	2.7	18.5	2.9	19.2	3.0
Wholesale	30.5	1.6	26.3	1.4	25.7	1.4	25.3	1.4
Retail	14.3	1.5	12.4	1.3	14.6	1.5	16.0	1.6
Finance, insurance and								
real estate	16.1	1.7	16.4	1.8	17.7	1.9	19.7	2.2
Public administration								
and defence	3.6	.2	3.9	.2	3.8	.2	3.8	.2
Community, recreation,								
business and personal								
service	13.0	1.4	13.8	1.4	14.9	1.6	16.0	1.7

Turning to the fourth quarter of 1964, the most notable developments were the declines in motor vehicle production and sales and the increases in construction and the industries concerned with the production and sale of building materials. The former resulted from production stoppages due to labour disputes in the industry both in Canada and the United States. The latter were probably largely associated with anticipatory buying of building materials prior to the imposition of the final stage of the tax on these commodities on January 1, 1965, and with the stimulating effects of the government's winter house-building incentive programme. It is interesting to note that the direct effects on non-agricultural output of the decline associated with motor vehicles and the rise associated with construction were roughly offsetting. Thus, if it is assumed that the production and sales of motor vehicles and parts had remained at the levels attained in the third quarter, the fourth quarter gain in non-agricultural real output would have been 3 per cent (as opposed to the actual increase of 2 per cent). Similarly, if it is assumed that there had been no change in the output of the construction and building materials industries from the preceding quarter, total non-agricultural output would have

shown a gain of only one per cent. The direct effect in each case is to change non-agricultural real output by one per cent, but in opposite directions. Thus the industries outside the motor vehicle and construction groups advanced at about the rate actually recorded by the aggregate (i.e. over 2 per cent), which, in view of the widespread nature of the increases, indicates the continued strength of expansionary forces in the economy.

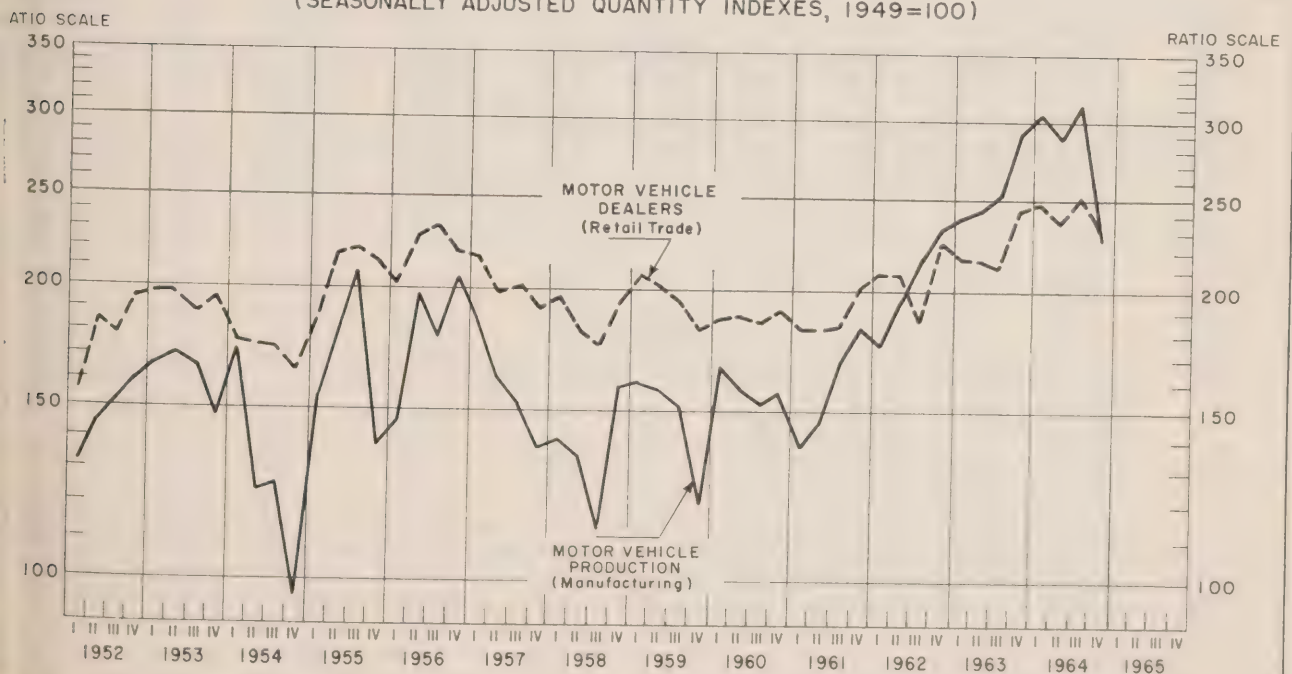
Construction, manufacturing and mining were the largest contributors to the fourth quarter gain, with the last two jointly accounting for over one third of the actual increase in non-agricultural real output. Construction contributed about one quarter of the increase.

Within manufacturing, which advanced by about 2 per cent, durables showed no change from the previous quarter, as the substantial declines in motor vehicles and parts production, resulting from strikes in the industry, were offset by increases in all the other major groups. The iron and steel products, non-ferrous metal products and non-metallic mineral products groups, in particular, showed considerable gains. A 6 per cent advance was recorded by the first two groups, with most components contributing: smelting and refining, primary iron and steel and sheet metal products showed gains of 7 and 8 per cent. The output of some other components, such as wire goods and structural steel, also expanded substantially in the fourth quarter, as did most components of the non-metallic minerals group, where advances of about 16 per cent were recorded in the cement and concrete products industries.

As mentioned before, the only major declines in durables occurred in motor vehicle production (-27 per cent) and motor vehicle parts (-15 per cent), resulting in a 17 per cent drop in the transportation equipment group, in spite of some gains in other components, principally shipbuilding. The quarterly decline in motor vehicle output is the second to occur during the current expansion, over the course of which automobile production had increased by 126 per cent (from the first quarter of 1961 to the third quarter of 1964). The following chart puts into perspective these changes in motor vehicle production along with those in the motor vehicle dealer industry. In comparing the growth patterns of both industries, the basic similarities of movement are immediately apparent, but it should be remembered that motor vehicle production includes production of all vehicles both for domestic use and export, while the motor vehicle dealer industry, a component of retail trade, in addition to new Canadian-made vehicles, deals in imported vehicles, used cars, gasoline and various goods and services related to these.

COMPARISON OF MOTOR VEHICLE PRODUCTION AND MOTOR VEHICLE DEALERS (RETAIL TRADE) BY QUARTERS, 1952-64

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



Non-durable manufacturing showed an increase of more than 3 per cent in the fourth quarter. All major groups (except tobacco products) contributed to the gain. Fully one third of this increase came from the foods and beverages group, which was up by 5 per cent, with the 7 per cent increases in meat products and in canning and preserving being among the main contributors. Distilleries and breweries also showed substantial gains. The 7 per cent increase in the output of the chemicals group accounted for another quarter of the rise in non-durable manufacturing. Particularly strong gains were recorded in the paints, varnishes and lacquers industry. The paper products group increased by 4 per cent, largely as a result of the 3 per cent gain in pulp and paper production. However, the roofing paper industry also showed substantial gains.

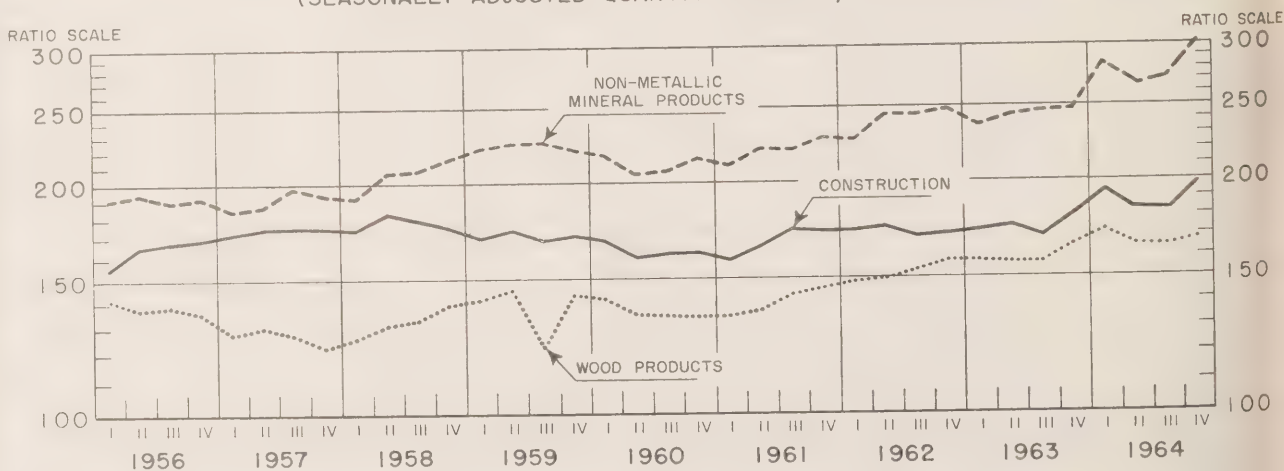
Among the remaining industry divisions, increases of 4 and 6 per cent, respectively, occurred in the electric power and gas utilities and mining divisions. Most components of metal mining showed substantial increases ranging from 5 to 20 per cent. The only major decline occurred in the other metal mining industries, (including uranium).

Within trade, retail trade increased by 1 per cent, while wholesale trade declined fractionally. At the retail level, the gains came from department stores, food stores and from the particularly sharp advance in the sales of lumber and building material dealers. Motor vehicle dealer sales showed a substantial decline. A similar pattern of gains and decreases at the individual trade level took place in wholesale trade.

The transportation, storage and communication group increased by more than 2 per cent in the fourth quarter, largely as a result of a 3 per cent gain in transportation. Within transportation, railway transport and shipping were the main contributors to the advance, followed by oil and gas pipeline and air transport. Storage at grain elevators showed a further decline in the quarter, while the communication industries continued their steady advance.

Of the remaining industry groups, finance, insurance and real estate increased by about 2 per cent, and the community, recreation, business and personal service group advanced by one per cent, with most of the increase coming from the community and personal service groups. Public administration and defence declined fractionally, as it did in the previous quarter.

COMPARISON OF CONSTRUCTION AND RELATED INDUSTRIES BY QUARTERS, 1956-64
(SEASONALLY ADJUSTED QUANTITY INDEXES; 1949 = 100)



A comparison of the annual averages for 1964 with those for 1963, shows that most industry groups recorded higher than average increases. The exceptions were mining and electric power and gas utilities, which continued to show the very high gains of 9 and 10 per cent, respectively, which they have maintained, on average, throughout most of the post-war period. Finance, insurance, and real estate, public administration and defence and fishing and trapping were below trend. The largest single contributor to the gain in the total was manufacturing, with an 8 per cent increase, followed by transportation and trade, which increased by 10 and 6 per cent, respectively. The 1964 increase (10%) in construction was the highest since 1956.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
49 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
61 - 1	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	153.3
2	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	155.9
3	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	158.6
4	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	161.2
62 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
63 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
64 - 1	195.9	167.0	133.0	325.8	222.4	232.4	542.9	186.7	181.3
2	194.8	152.4	115.7	323.9	216.8	253.0	556.7	187.2	183.3
3	196.4	166.4	122.6	312.6	202.4	246.9	549.0	189.2	183.7
4	200.7	157.1	140.0	330.0	212.9	261.8	574.5	192.6	189.8
Without seasonal adjustment									
61	166.8	130.8	115.7	266.9	191.7	211.7	430.7	153.0	157.0
62	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
63	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
64	196.5	160.8	123.6	320.3	210.6	247.7	555.2	188.3	184.5
61 - 1	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	146.8
2	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	156.7
3	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	161.0
4	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	163.4
62 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
63 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
64 - 1	183.3	140.4	78.6	312.5	197.5	218.6	588.3	181.0	174.4
2	197.6	138.9	118.3	322.0	224.3	257.4	526.9	191.7	184.0
3	200.3	196.8	168.2	319.8	214.7	246.9	527.4	186.0	186.2
4	205.0	166.9	129.2	327.3	205.9	268.0	578.2	194.6	193.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1961 - 1	153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0
2	152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5
3	155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5
4	156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	174.0	195.8	212.2	127.5	167.9	133.0	175.2	160.5
2	172.3	213.3	218.9	131.9	173.7	129.2	176.4	172.0
3	171.3	223.6	208.0	131.3	172.7	138.2	179.2	158.8
4	179.3	223.5	217.2	131.1	174.6	138.0	186.3	165.6
	Without seasonal adjustment							
1961	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.0	214.0	213.8	130.5	172.3	135.8	179.0	164.6
1961 - 1	128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2
2	152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0
3	173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5
4	163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	148.7	195.5	215.8	137.3	172.1	133.6	170.0	158.5
2	171.9	226.6	230.4	133.5	178.9	117.2	178.0	174.7
3	188.0	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	186.5	222.9	222.4	128.9	178.5	144.0	187.3	169.9

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1 - 1	246.5	219.2	199.7	141.3	134.4	132.6	120.3	148.0
2	266.7	222.9	206.1	144.7	136.8	137.3	121.4	147.7
3	259.0	224.4	216.8	151.8	142.7	144.9	136.6	142.5
4	262.2	222.7	228.1	156.1	146.4	141.4	143.3	152.8
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
3 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
4 - 1	302.3	272.7	256.7	193.0	171.2	176.9	209.1	156.7
2	307.9	271.7	261.2	191.9	164.6	180.8	202.3	162.3
3	303.0	278.8	266.2	195.6	164.4	181.5	217.3	159.0
4	308.7	297.0	262.9	195.8	168.5	192.4	179.7	168.4
	Without seasonal adjustment							
91	258.8	222.1	213.0	148.4	139.6	139.4	129.8	147.6
92	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
93	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
94	304.2	279.8	261.9	192.9	166.7	182.1	198.9	161.8
91 - 1	248.9	214.7	194.0	139.2	132.7	130.1	131.1	146.1
2	256.4	229.3	202.2	150.8	139.7	141.5	141.9	147.9
3	265.5	223.2	218.8	148.3	151.4	145.7	101.3	141.6
4	264.5	221.1	237.0	155.4	134.8	140.4	144.7	154.7
92 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
93 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
94 - 1	306.2	272.5	247.5	188.7	170.3	169.7	223.7	156.5
2	290.3	285.2	254.7	200.8	165.6	186.2	236.2	163.0
3	308.0	272.6	269.7	185.8	174.0	182.7	149.4	157.7
4	312.2	289.1	275.5	196.3	157.0	189.9	186.2	169.9

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade
	Durable manufacturing				Total	Transpor- tation	Storage	Total
	Electrical apparatus and supplies	Non-metallic mineral products						
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562
Seasonally adjusted								
1961 - 1	169.3	210.2	158.5	304.1	168.2	156.0	222.0	154.9
2	175.0	221.0	165.5	319.4	173.0	161.0	233.8	156.8
3	185.8	220.2	173.2	327.8	174.1	162.4	215.5	160.1
4	199.0	228.5	171.7	325.9	173.8	160.6	207.9	161.1
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3
1964 - 1	231.0	283.9	193.4	390.6	205.9	193.7	234.4	185.5
2	236.4	266.3	182.7	399.1	209.5	196.3	256.6	181.5
3	240.6	271.3	182.6	410.7	210.5	197.0	254.7	183.6
4	248.0	301.1	199.2	427.8	215.0	202.8	216.7	184.6
Without seasonal adjustment								
1961	182.6	220.2	168.4	317.7	172.1	159.7	220.3	158.5
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.7
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.3
1964	239.0	277.6	190.4	405.6	209.7	197.0	239.7	183.3
1961 - 1	166.9	166.3	98.3	340.8	150.7	134.7	179.8	139.5
2	170.5	227.7	169.1	308.6	176.7	166.1	254.1	162.2
3	186.4	254.8	221.0	284.7	185.1	177.3	229.8	156.5
4	206.7	232.0	185.3	336.8	175.7	160.7	217.7	174.4
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.5
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.3
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.3
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.2
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.5
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.2
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.2
1964 - 1	227.1	213.1	127.5	439.2	186.7	170.0	196.8	169.5
2	229.7	275.3	188.1	387.5	213.4	202.7	257.6	188.2
3	238.7	316.6	230.2	357.0	223.1	214.9	261.9	175.5
4	260.4	305.6	215.8	438.9	215.8	200.3	242.2	199.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade		Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes		
	Whole- sale	Retail				Commercial industries, less agriculture	Non- commercial industries	Index of Industrial Production
99 Weights ...	4.995	9.567	9.127	4.666	10.202	81.015	8.271	32.231
Seasonally adjusted								
1 - 1	154.8	155.0	173.1	182.5	149.0	160.7	176.9	166.1
2	161.3	154.5	174.5	182.6	150.8	164.0	178.5	170.6
3	167.7	156.2	176.3	184.7	153.8	168.0	181.0	176.0
4	168.5	157.3	178.0	185.9	154.9	169.7	182.5	179.5
2 - 1	171.3	160.4	179.7	186.7	156.0	172.4	184.2	181.5
2	175.7	162.0	182.8	189.9	156.8	174.4	186.9	185.5
3	176.8	161.5	183.3	189.3	159.3	175.7	187.8	188.1
4	175.5	164.7	185.5	185.7	160.5	177.1	186.9	189.5
3 - 1	182.0	165.4	190.1	186.6	162.7	180.2	187.5	191.7
2	180.6	166.7	192.9	187.7	164.4	181.7	189.4	194.2
3	177.9	168.2	195.9	189.2	165.6	182.6	191.2	195.0
4	185.0	173.3	198.9	189.2	167.1	189.7	192.3	203.8
4 - 1	202.0	177.2	200.9	189.1	168.4	196.2	192.8	211.0
2	195.5	174.2	201.5	189.6	169.6	194.9	193.9	211.8
3	194.6	177.7	203.7	189.5	171.2	196.6	194.7	212.9
4	193.9	179.8	207.2	189.4	172.8	201.3	195.3	218.4
Without seasonal adjustment								
.....	162.7	155.9	175.5	183.9	152.2	165.5	179.7	172.9
.....	174.9	162.6	182.9	187.9	158.2	174.8	186.5	186.0
.....	181.6	168.8	194.5	188.1	165.0	183.6	188.7	195.9
.....	196.4	176.8	203.1	189.3	170.5	196.8	194.1	212.7
- 1	150.2	133.4	170.2	177.3	145.0	148.5	173.7	163.7
2	171.7	158.3	175.5	182.5	151.4	166.4	178.6	172.6
3	161.8	153.6	179.5	190.8	157.4	173.2	184.6	174.5
4	167.1	178.2	176.9	185.0	154.9	174.0	181.9	180.8
- 1	167.0	138.7	176.7	181.5	151.8	159.7	181.0	179.2
2	187.3	166.5	183.8	189.8	157.4	177.0	187.0	187.8
3	170.7	158.9	186.7	195.5	163.2	180.8	191.5	186.4
4	174.5	186.4	184.4	184.9	160.6	181.5	186.4	190.7
- 1	181.0	143.6	186.5	181.0	158.3	167.8	182.8	188.4
2	190.4	171.4	194.4	188.0	164.4	184.5	188.3	196.7
3	168.5	164.5	199.3	196.0	170.0	187.4	193.9	192.7
4	186.4	195.6	197.7	187.5	167.1	194.6	189.7	205.8
- 1	202.2	153.1	197.0	183.1	163.7	182.7	188.9	207.4
2	206.1	179.1	202.9	189.9	169.8	198.0	194.2	214.8
3	182.6	172.5	207.0	196.7	175.6	200.4	199.1	208.2
4	194.9	202.5	205.6	187.5	172.8	206.1	194.1	220.4

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MONTHLY

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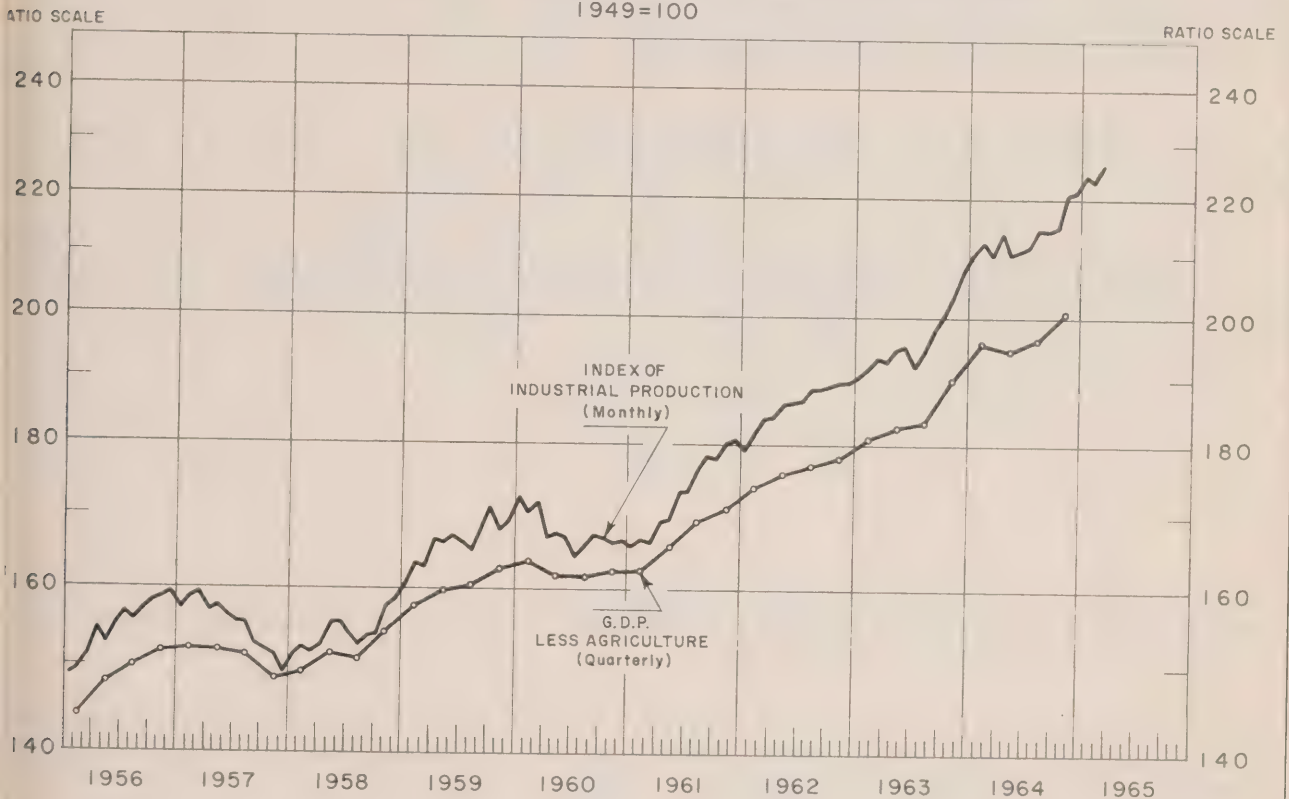
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MARCH 1965

The seasonally adjusted index of industrial production advanced by 1.4 per cent in March.*

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



* Users should note that non-agricultural real output indexes (including The Index of Industrial Production) have been revised for the entire year 1964.

Industrial Output Section
National Accounts and Balance of Payments Division

1965
5-502

MARCH INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production advanced by 1.4% in March as all three components moved higher; manufacturing by 1.6%, mining by 0.8%, and electric power and gas utilities by 1.2%.

Based on the latest revised figures, these March movements yield changes from the fourth quarter 1964 to the first quarter 1965, on a seasonally adjusted basis, as follows: the total index of industrial production (+2.5%), manufacturing (+2.4%), durables (+5.4%), non-durables (-0.2%), mining (+3.4%), and electric power and gas utilities (+2.0%).

1964 to the first quarter 1965, on a seasonally adjusted basis, as follows: the total index of industrial production (+2.5%), manufacturing (+2.4%), durables (+5.4%), non-durables (-0.2%), mining (+3.4%), and electric power and gas utilities (+2.0%). Vehicle production, to take this component to an all-time high, and, in addition, substantial gains occurred in both iron castings and primary iron and steel to bring that group higher by almost 3%. Elsewhere advances of 1%, 2%, and 4% respectively were registered in wood products, electrical apparatus and supplies, and non-ferrous metal products, the latter due entirely to smelting and refining. The only major group decline in durables was in non-metallic mineral products, as concrete products fell by 9%.

The small decline in non-durables emanated largely from a 6% drop in rubber products and 4% declines in both textiles and printing and publishing. Elsewhere, relatively small gains and losses were recorded.

The major components of mining (metals, fuels and non-metals) showed gains in March of from 1% to 2%. However, within the detail, rather large gains occurred in nickel, zinc, coal and other metals (including uranium). These were partially offset by a decline in iron ore output.

NOTES

1. For this issue alone quarterly real output indexes up to and including the fourth quarter of 1964 are contained in the attached supplement. The non-agricultural output indexes for the first quarter of 1965 will be contained in the April issue.

2. For a continuous record of the Index of Industrial Production and its components, use the March 1964 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the attached supplement for 1960 to 1964 and the regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the attached supplement for 1963 and 1964, and the regular monthly reports thereafter.

3. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

CATALOGUE No.

61-005

MONTHLY

Index of Industrial Production

March 1965

ERRATUM

Users should note that the third paragraph of the writeup on page 2 of the regular report should read as follows:

"Returning to February-March movements, the biggest single contributor was durable manufacturing where gains were recorded on a wide front, to bring this aggregate higher by almost 4%. The bulk of this strength came from a very large increase in motor vehicle production, to take this component to an all-time high, and, in addition substantial gains occurred in both iron castings and primary iron and steel to bring that group higher by almost 3%. Elsewhere advances of 1%, 2%, and 4% respectively were registered in wood products, electrical apparatus and supplies, and non-ferrous metal products, the latter due entirely to smelting and refining. The only major group decline in durables was in non-metallic mineral products, as concrete products fell by 9%."

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964			1965		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL	32.231	1	215.1	220.9	221.1	224.3	223.1	226.3
MANUFACTURING, TOTAL	3.245	2	326.7	341.2	338.1	348.3	344.4	347.2
Metals	1.925	2	211.3	216.9	208.4	231.1	223.6	225.0
Gold	0.624	5	90.1	94.9	87.0	93.3	88.0	87.3
Copper	0.356	4	191.8	193.5	194.1	198.6	197.3	189.9
Iron ore	0.099	3	904.7	958.7	905.8	1,021.0	1,057.0	944.5
Nickel	0.337	4	187.6	190.6	206.4	228.0	208.2	225.3
Non-ferrous metals	0.268	5	322.9	341.5	353.2	382.2	399.0	406.6
Aluminum	0.214	5	266.8	277.4	276.3	254.9	267.6	268.3
Chemicals	0.915	3	555.6	584.2	577.0	564.8	561.7	567.0
Natural gas	0.553	6	53.3	55.7	56.4	58.4	58.4	63.9
Petroleum	0.035	2	1,468.5	1,414.4	1,514.9	1,371.3	1,405.6	1,463.1
Crude oil	0.327	3	1,305.8	1,387.6	1,355.5	1,334.7	1,322.5	1,321.8
MANUFACTURING, TOTAL	27.340	3	189.1	194.5	194.4	197.2	195.8	199.0
NON-FERROUS METALS	14.742	3	187.1	191.0	192.7	191.4	189.5	188.7
Aluminum and beverages	3.814	4	176.9	181.2	187.0	187.3	176.3	177.1
Aluminum	2.896	4	174.7	175.9	181.9	176.7	170.7	174.3
Aluminum products	0.523	4	183.7	183.9	214.4	197.7	182.6	187.7
Aluminum products	0.450	3	170.3	176.4	164.7	172.4	173.7	173.6
Aluminum and processing	0.453	4	178.5	184.2	191.2	184.5	177.2	190.6
Aluminum mill products	0.322	4	181.3	177.4	177.2	189.5	188.3	182.8
Aluminum products	0.558	3	154.7	153.9	151.9	148.6	148.1	148.8
Aluminum products	0.590	4	182.4	182.1	184.1	174.9	164.8	170.1
Aluminum products	0.918	6	183.8	197.8	203.4	220.7	194.2	185.6
Carbonated beverages	0.231	6	180.6	189.3	179.9	174.7	208.2	190.4
Breweries	0.463	6	158.6	180.4	176.1	235.3	161.3	168.8
Distilleries	0.203	6	251.3	252.1	296.9	246.7	258.5	222.7
Tobacco and tobacco products ..	0.248	6	227.8	221.4	221.2	217.5	221.0	218.8
Other products	0.430	3	204.4	217.5	229.7	209.6	217.6	205.6
Other products	0.508	2	130.9	130.1	133.4	130.2	125.7	127.7
Shoes and shoes	0.307	4	139.6	139.0	144.0	139.6	133.4	135.5
Textiles	1.623	3	172.8	177.2	171.3	176.0	183.7	175.6
Textile goods	0.507	4	118.2	122.4	112.3	124.2	134.9	132.8
Textile goods	0.300	3	88.6	86.1	83.5	90.4	82.3	88.6
Artificial Textiles and Silk ..	0.429	3	313.3	328.2	318.7	317.3	341.7	309.1
Leather	1.801	3	136.5	143.1	139.0	138.5	134.9	
Leather products	2.649	3	182.7	186.8	187.5	184.4	186.7	188.6
Leather and paper	2.108	3	183.3	188.1	188.3	187.0	189.3	191.1

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964			1965		
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	169.1	166.5	161.1	167.8	175.5	169.1
Products of petroleum and coal	0.513	3	298.5	307.2	320.0	325.9	315.1	310.7
Petroleum products	0.454	3	322.0	332.0	346.2	352.8	342.0	336.2
Chemicals and allied products	1.359	2	288.4	295.8	302.6	288.2	284.9	288.8
Acids, alkalies, salts and fertilizers	0.346	2	354.0	364.8	364.4	346.5	350.4	336.3
Miscellaneous manufactures	0.524	1	265.2	262.0	261.7	266.1	264.7	265.1
DURABLE MANUFACTURES	12.598	3	191.4	198.6	196.4	203.9	203.1	210.9
Wood products	2.108	2	169.4	172.6	162.3	168.0	163.8	165.9
Saw and planing mills	1.444	3	185.3	188.8	173.1	180.5	173.6	176.1
Veneers and plywoods	0.122	3	412.3	420.5	401.2	409.0	398.9	404.5
Sawmills	0.994	4	177.1	179.8	158.6	167.6	158.5	162.0
Furniture	0.460	2	157.2	160.2	161.4	164.6	167.7	169.5
Iron and steel products	4.026	2	186.1	191.6	197.0	193.8	188.3	193.1
Machinery	0.851	1	183.3	187.3	190.1	194.3	194.0	195.3
Iron castings	0.387	3	170.8	183.8	196.3	184.0	171.5	189.4
Primary iron and steel	0.845	2	252.3	255.0	265.4	250.6	248.6	260.7
Sheet metal products	0.359	1	168.0	172.8	177.9	178.8	173.2	170.8
Transportation equipment	2.651	4	177.2	193.0	168.6	210.4	214.4	237.3
Aircraft and parts	0.203	1	271.7	278.4	270.7	265.6	258.8	259.2
Motor vehicles	1.035	4	218.8	255.5	208.8	295.4	305.6	359.1
Motor vehicle parts	0.462	2	216.9	214.5	173.2	229.2	236.8	249.5
Railway rolling stock	0.621	1	47.8	49.3	49.7	50.4	49.5	49.7
Shipbuilding and repairs	0.261	1	190.5	199.6	201.8	201.4	196.6	195.1
Non-ferrous metal products	1.601	3	166.6	166.7	172.5	165.6	168.1	175.2
Brass and copper products ...	0.241	1	151.1	155.2	159.9	163.2	160.7	160.3
Smelting and refining	1.028	3	183.8	182.3	189.8	177.5	182.6	193.6
Electrical apparatus and supplies	1.418	2	245.5	249.2	250.9	256.0	256.5	261.5
Heavy electrical machinery ..	0.489	1	162.4	163.1	164.3	169.3	170.9	171.4
Telecommunication equipment	0.142	3	609.6	626.7	648.2	674.9	651.4	669.7
Refrigerators and appliances	0.227	3	248.6	248.1	233.1	231.6	241.0	252.0
Non-metallic mineral products	0.794	2	278.4	295.9	327.7	313.6	320.5	314.1
Concrete products	0.098	4	829.2	926.4	1,083.8	995.6	996.1	908.5
Hydraulic cement	0.117	5	285.9	311.3	355.4	350.8	326.3	344.6
Domestic clay products	0.083	3	144.8	151.1	149.8	168.0	156.2	164.2
ELECTRIC POWER AND GAS UTILITIES	1.646	2	426.9	421.8	434.1	429.6	436.6	442.0
Electric power	1.480	2	383.6	385.3	397.5	395.3	402.9	404.5
Gas	0.166	3	815.0	748.8	762.0	735.2	737.3	776.4

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
INDUSTRIAL PRODUCTION, TOTAL ..	195.9	213.3	202.3	211.7	209.0	215.8	223.6	228.9
MINING, TOTAL	294.4	326.5	326.3	320.2	307.3	338.1	329.9	332.5
Metals	193.8	210.7	200.4	202.5	191.5	206.2	196.0	204.7
Gold	95.5	91.0	89.8	89.3	90.9	89.2	87.6	86.5
Copper	174.0	186.4	176.7	171.1	179.5	184.5	183.5	185.3
Iron ore	670.8	834.2	472.4	549.2	614.3	622.8	634.2	613.9
Nickel	171.0	181.2	163.0	184.6	170.8	213.6	209.9	219.2
Non-metals	228.1	324.9	270.0	291.3	297.7	326.1	341.0	360.5
Asbestos	239.1	259.9	221.4	242.9	246.8	233.0	258.8	269.4
Fuels	513.6	554.7	620.5	584.7	559.8	632.4	618.7	597.6
Coal	52.0	55.1	62.6	58.1	54.2	70.4	64.7	62.2
Natural gas	1,179.8	1,382.3	1,500.6	1,532.2	1,456.7	1,678.5	1,734.5	1,622.6
Petroleum	1,221.6	1,300.8	1,468.0	1,372.3	1,317.4	1,470.8	1,436.2	1,393.2
MANUFACTURING, TOTAL	173.9	188.2	172.8	185.0	184.2	184.7	194.1	198.3
DURABLE MANUFACTURES	172.2	184.5	165.0	179.4	178.0	175.2	187.1	186.6
Foods and beverages	162.1	174.1	138.6	153.0	149.8	150.7	155.7	157.3
Foods	157.2	170.0	143.5	148.7	144.4	152.5	153.0	153.2
Meat products	163.6	182.8	178.2	178.4	166.3	199.7	185.7	187.7
Dairy products	163.5	171.5	134.6	141.3	154.4	139.1	146.6	158.3
Canning and processing	165.4	174.9	77.7	100.0	86.3	90.7	101.0	95.7
Grain mill products	145.9	182.5	186.1	189.9	189.8	183.8	191.2	185.0
Bakery products	138.8	147.7	132.1	131.5	131.3	139.4	137.7	137.9
Miscellaneous foods	164.3	169.3	157.4	159.5	149.2	163.8	162.2	159.9
Beverages	177.6	187.3	123.1	166.6	167.1	145.0	164.5	170.2
Carbonated beverages	178.7	181.0	138.6	159.5	137.9	138.4	181.1	146.4
Breweries	159.9	168.2	84.2	152.0	176.2	124.0	132.3	173.4
Distilleries	220.3	242.5	193.7	214.3	185.3	203.0	224.9	196.0
Tobacco and tobacco products	207.7	214.0	199.6	203.5	183.6	208.8	228.3	224.7
Textile products	190.5	213.8	186.4	242.7	218.2	191.4	250.2	216.7
Other products	127.0	130.9	128.7	146.2	142.1	132.1	140.4	140.3
Fur and shoes	136.9	139.3	135.8	162.3	159.0	141.0	154.3	155.8
Rubber and plastic products	159.5	172.2	164.3	177.7	173.8	171.8	193.5	179.4
Cotton goods	109.6	120.1	115.5	130.4	116.9	122.0	146.0	135.9
Wool goods	89.8	89.8	92.0	94.9	88.8	83.4	83.5	84.3
Synthetic textiles and silk	281.0	306.8	283.7	314.1	319.1	310.6	367.0	324.6
Leather and leather goods	137.0(1)	135.8	119.7	138.8	142.3	120.5	141.1	
Paper products	164.3	179.0	161.2	173.0	175.8	172.5	184.5	189.2
Printing and publishing	163.8	180.0	161.0	173.8	177.2	174.3	189.1	193.6

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	153.4	158.7	163.3	158.7	171.2	170.2
Products of petroleum and coal	296.0	304.2	305.5	316.8	296.5	331.9	321.4	309.0
Petroleum products	319.7	329.5	338.6	343.2	320.3	359.9	349.2	334.2
Chemicals and allied products	249.1	279.0	259.2	278.0	283.0	279.6	289.4	296.9
Acids, alkalies, salts and fertilizers	302.0	331.7	300.5	338.3	339.8	337.1	367.9	368.9
Miscellaneous manufactures	246.6	261.9	244.5	247.9	250.2	257.1	256.0	257.7
DURABLE MANUFACTURES	175.9	192.7	181.9	191.5	191.4	195.8	202.4	212.0
Wood products	159.0	165.1	156.8	175.6	172.4	158.6	173.1	171.7
Saw and planing mills	172.1	179.3	169.1	197.0	192.2	168.4	189.9	187.4
Veneers and plywoods	358.8	399.3	396.0	422.1	417.6	403.7	430.8	422.7
Sawmills	162.3	167.0	153.6	190.9	184.4	154.2	182.3	179.7
Furniture	153.0	157.9	153.2	151.1	151.1	161.6	161.0	162.2
Iron and steel products	161.8	182.4	162.6	172.1	176.6	180.5	185.0	192.4
Machinery	160.2	179.2	163.9	165.8	168.1	190.8	190.1	191.8
Iron castings	151.1	180.7	164.3	176.2	173.1	168.2	182.8	208.3
Primary iron and steel	216.9	244.9	220.5	229.2	236.0	232.3	243.4	259.4
Sheet metal products	156.9	164.3	145.9	149.7	152.9	163.2	161.1	161.9
Transportation equipment	181.4	198.5	219.6	224.9	221.8	227.7	232.5	262.3
Aircraft and parts	233.8	270.9	263.8	264.9	263.8	272.5	266.0	261.8
Motor vehicles	257.6	276.1	333.3	347.7	341.3	336.7	348.4	420.1
Motor vehicle parts	179.5	215.6	218.9	217.8	216.6	239.1	244.8	256.0
Railway rolling stock	41.1	47.3	43.9	44.9	45.6	49.6	48.9	48.9
Shipbuilding and repairs	197.2	187.6	181.7	178.5	175.0	191.1	191.5	195.1
Non-ferrous metal products	148.8	162.0	153.2	158.0	158.1	165.1	169.4	174.6
Brass and copper products ...	133.4	149.6	140.4	143.9	145.6	159.0	157.8	157.9
Smelting and refining	161.6	176.0	165.8	172.5	172.0	178.9	186.6	194.4
Electrical apparatus and supplies	223.5	239.2	225.9	229.5	225.8	252.2	257.0	256.0
Heavy electrical machinery ..	154.3	161.0	155.3	154.4	155.1	169.5	168.5	168.0
Telecommunication equipment	546.9	584.0	556.6	577.1	530.8	661.4	674.9	640.0
Refrigerators and appliances	221.6	233.8	209.1	226.3	227.0	220.0	243.9	258.0
Non-metallic mineral products	243.0	277.6	199.3	220.0	220.4	226.3	237.8	248.0
Concrete products	652.3	849.6	472.4	560.3	565.7	537.6	567.8	638.0
Hydraulic cement	246.0	277.5	128.5	175.9	179.5	189.8	192.5	220.0
Domestic clay products	136.7	146.1	95.3	113.2	125.7	124.3	117.8	126.0
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	448.6	441.3	427.8	491.4	502.6	479.0
Electric power	339.2	371.5	389.2	386.1	377.8	425.3	429.1	417.0
Gas	620.1	711.0	981.3	936.7	876.6	1,080.7	1,157.6	1,024.0

Catalogue No.

61 - 005

**ANNUAL SUPPLEMENT TO THE MONTHLY
INDEX OF INDUSTRIAL PRODUCTION (1949 = 100)**

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Prepared in the Industrial Output Section
National Accounts and Balance of Payments Division

NOTE TO USERS

This annual supplement contains the latest revisions both to the monthly Index of Industrial Production and to the more aggregative quarterly real Gross Domestic Product estimates. Revisions have been made only from the beginning of 1964, and consist of more up to date seasonal adjustment factors and some raw data changes.

Users will note that the level of the index for mining has been raised in the revision period by about 2%, due to the inclusion of potash for the first time. It has been included as of January, 1964.

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the Index of Industrial Production to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; trade; transportation; storage and communication; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

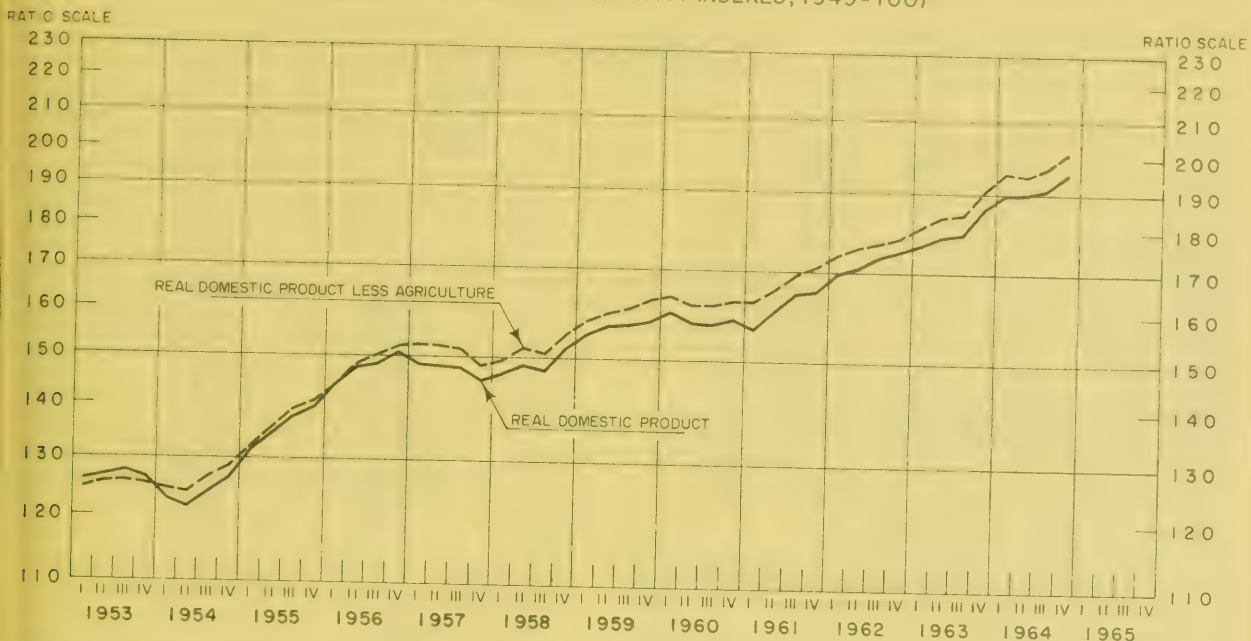
The real output indexes in Table 4 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper Catalogue number 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

A similar description pertaining to the Index of Industrial Production alone is contained in D.B.S. Occasional Paper Catalogue number 61-502 "Revised Index of Industrial Production, 1935-1957", (1949=100).

The latest quarterly indexes of real domestic product less agriculture along with corresponding component industry detail appear every three months in the issue of 61-005 for the month after the quarter to which the statistics pertain; for example, the first quarter results will be contained in the forthcoming April issue. As in the past, quarterly indexes for agriculture and for aggregate domestic production can only be made available on a once-a-year basis and will appear in this annual supplement each spring.

HART-1

COMPARISON OF REAL DOMESTIC PRODUCT WITH REAL DOMESTIC PRODUCT LESS AGRICULTURE, BY QUARTERS, 1953-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



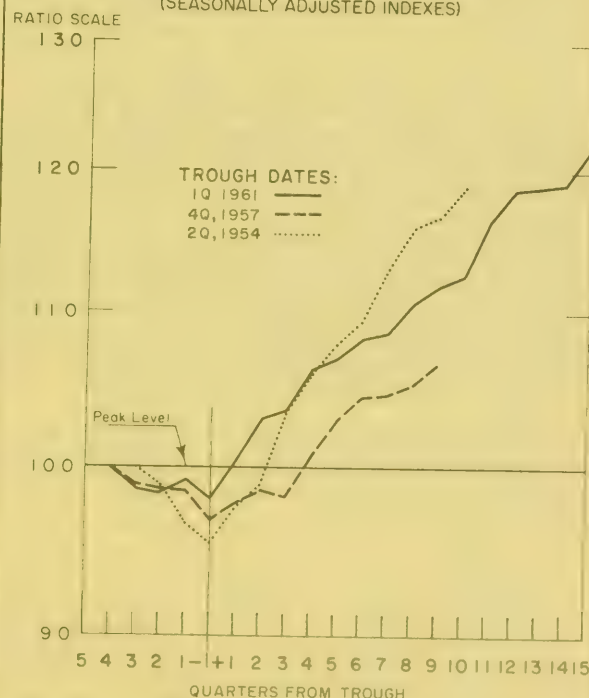
INDUSTRY REAL OUTPUT TRENDS

In 1964, Canada's real domestic product (as measured by the industry of origin approach) was 5.1 per cent above its 1963 level. This compares with a 5.1 per cent increase in 1963 and a 6.2 per cent gain in 1962. The post-war average rate of growth was 4.1 per cent per annum¹.

During 1964 real output continued to expand, the final quarter marking the fifteenth quarter of the current upturn in production which began early in 1961 and is still in progress. During the course of this expansion total output increased by 21.7 per cent as measured from the last cyclical peak in the first quarter of 1960. This was only the gains over those achieved simply as a result of recovery from the preceding cyclical downturn are measured. During the preceding two cycles real output advanced by 6.3 per cent and 17.9 per cent, respectively. Thus the current expansion has achieved more substantial gains than either of the preceding upturns. The current expansion has been of longer duration. Thus growth, although steady, has been slower than during the 1954-56 period. Nevertheless it surpassed both the total gain and the rate of advance of the 1957-60 expansion, thus terminating, it would appear, the period of relative stagnation which extended from 1957 to the first quarter of 1961.

CHART-2

RECENT CYCLICAL PEAKS AND TROUGHS IN REAL DOMESTIC PRODUCT (SEASONALLY ADJUSTED INDEXES)



¹ See Table C.

The following table shows the percentage increases in total real output and in the output of selected industry groupings over the course of the three cycles. It should be kept in mind, however, that the first two cycles are measured from peak to

peak, that is, both had run their full course during the 13 quarter span being measured, while the peak of the current cycle had not yet been reached by the fourth quarter of 1964 (a time span of 19 quarters).

TABLE A

	3Q '53- 4Q '56 % Δ	4Q '56- 1Q '60 % Δ	1Q '60 4Q '64 % Δ
Real domestic product	17.9	6.3	21.7
Agriculture	- 1.0	- 8.1	9.6
Forestry	19.0	1.3	8.2
Mining	54.3	17.4	28.9
Manufacturing	17.4	3.8	25.5
Non-durable	15.9	5.9	23.7
Durable	19.0	- 2.7	27.6
Construction	27.8	- 0.9	18.5
Electric power and gas utilities	43.4	37.2	46.4
Transportation, storage and communication	26.4	7.9	30.0
Transportation	25.7	4.7	31.1
Trade	20.7	6.9	18.1
Wholesale	20.8	11.0	18.9
Retail	20.6	4.7	17.5
Finance, insurance and real estate	16.9	15.5	23.4
Public administration and defence	10.4	9.1	8.7
Community, recreation, business and personal service	12.1	12.2	18.9

The patterns of growth and cyclical behaviour differ widely from industry to industry. The primary industries, such as agriculture, showed strong but erratic fluctuations in output. It should be noted, however, that the exclusion of agriculture does not alter the basic pattern of aggregate output.² The low points in agricultural production, which were due to particularly poor crops, happened to coincide with the years in which the troughs in the volume of aggregate production occurred. At the other extreme, the output of some of the tertiary industries,³ such as the finance, insurance and real estate group, showed little tendency toward either cyclical or irregular fluctuations. Throughout most of the post-war period these industry groups exhibited smooth expansionary paths. The industries which showed the most pronounced cyclical fluctuations were manufacturing, transportation and trade. Jointly these three industry groups have accounted for approximately one-half of total production in Canada during the post-war period. These are the industries, therefore, which have largely determined the cyclical movements in aggregate real output. They were also the industries that made the largest contribution to the current expansion in production.

This fact becomes particularly apparent when the contributions of the various industries to the expansion in total production are compared over the

course of the three cyclical upturns. The following table shows such a comparison. Again, it must be remembered that whereas the first two expansions are measured from the trough to the peak in aggregate production, the current expansion is measured from the trough early in 1961 to the latest available quarter, namely, the fourth quarter of 1964. Table B shows, for each expansion, the effect of the change in the volume of output of each industry group on total real output, i.e., it shows by how much the aggregate increased as a direct result of the gain in each of the components.

As can be seen from Table B, not only did the gains in total output differ between the expansions, but the contributions of the various industries to this total also diverged. For instance, over the course of the 1958-60 upswing the cyclically sensitive manufacturing, transportation and trade group accounted for 49.5 per cent of the total gain, while construction actually declined during this period, and the tertiary industries⁴ accounted for about 20 per cent of the gain. During the other two expansions the tertiary industries exercised a relatively smaller influence. Construction, as a result of the investment boom of the mid-fifties, contributed more to the gain during the 1954-56 upswing than it did during the current expansion. By contrast, the manufacturing, transportation, and trade group was relatively more important during the 1961-64 expansion than during the first upturn (accounting for 51.4 per cent and 48.5 per cent of the gain respectively).

² See Chart 1.

³ The measurement of output is difficult in these industry areas and labour input had to be used to represent output in some major industries. Consequently, the measures used may not be as sensitive to these fluctuations as proper output measures would be.

⁴ Tertiary industries are here taken to mean the service-producing industries, excluding trade and transportation.

TABLE B

	II Q '54- IV Q '56 %		IV Q '57- I Q '60 %		I Q '61- IV Q '64 %	
	Effect	△	Effect	△	Effect	△
Real domestic product						
Agriculture	24.1	24.1	10.3	10.3	24.3	24.3
Forestry	3.9	44.0	1.0	11.4	2.2	29.6
Fishing and trapping	0.4	17.9	0.5	33.7	0.4	21.3
Mining	—	3.9	—	7.4	—	- 3.5
Manufacturing	1.9	45.9	0.8	16.0	1.7	33.6
Non-durable	5.9	21.6	3.1	11.8	7.8	30.5
Durable	2.4	16.5	1.8	13.1	3.5	24.1
Construction	3.5	27.5	1.2	10.2	4.4	38.4
Electric power and gas utilities	2.3	34.0	- 0.3	- 3.9	1.7	25.6
Other goods industries, n.e.c.	0.7	34.0	0.7	28.7	1.3	40.6
Transportation, storage and communication	0.2	21.2	—	1.5	0.1	14.1
Transportation	2.7	34.5	0.8	9.7	2.4	27.1
Trade	2.3	40.1	0.6	9.0	1.9	28.8
Wholesale	3.5	24.4	1.4	9.8	2.8	19.8
Retail	1.5	31.9	0.8	16.8	1.4	27.7
Finance, insurance and real estate	2.0	20.8	0.6	6.1	1.5	15.6
Public administration and defence	1.2	12.0	0.9	9.6	1.9	19.2
Community, recreation, business and personal service	0.4	7.0	0.3	5.1	0.2	3.8
	1.1	10.7	1.0	11.1	1.6	16.3

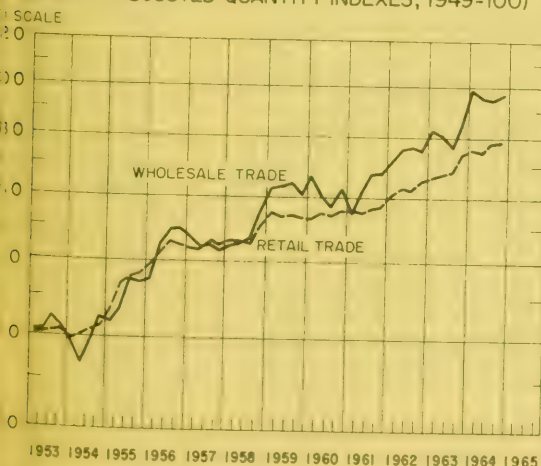
Table B also shows that the decelerated growth of the 1957-61 period and the renewed expansion since 1961 were so widespread as to apply to most industry groups. However, the 1961-64 gains in most industries, although substantially in excess of those achieved during the 1958-60 upturn, were not as high as those achieved during the 1954-56 expansion. The most conspicuous exception was manufacturing which increased by 30.5 per cent during the current period but showed only a 21.6 per cent gain during the first expansion. Most of this additional strength came from the durable component.

Transportation and trade were among the industries which showed somewhat smaller gains during the current upswing. However, the larger

gains in transportation in 1954-56 were partly an offset to the sharper decline during the preceding downturn, as can be seen by comparing the data in Tables A and B. The rate of expansion in trade, however, was not as rapid as during the 1954-56 upturn. Both retail and wholesale trade showed smaller rates of increase. During the 1954-56 period all components of retail trade showed some gains, with motor vehicle dealers and department stores making the largest contributions to the increase. These two stores showed substantial gains during the current expansion as well, with motor vehicle dealers showing a particularly strong increase. However, gains in other components were not so consistent.

T-3

COMPARISON OF WHOLESALE WITH RETAIL TRADE,
BY QUARTERS, 1953-64
SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100



The large gains in the durable manufacturing component accounted for the major part of the increase in manufacturing output during both expansions. Over the 1954-56 period durables' output expanded by 28 per cent, while from the first quarter of 1961 to the fourth quarter of 1964 the increase was over 38 per cent, which is the second largest increase exhibited by any major industry group in this period. The two most important contributors to this gain were iron and steel products, with an increase of 44 per cent, and the motor vehicle industry which showed a 126 per cent rise in output to the third quarter of 1964. The latter industry, however, was affected by labour disputes at the end of 1964, resulting in a decline in production. Both these industries have been extremely sensitive to cyclical fluctuations in the economy and can almost be said to have determined the cyclical pattern of non-agricultural output in the post-war period. Both have shown unprecedented strength during the current expansion, particularly the automobile industry. In the case of the latter, as in total durable goods, the period of low level production, when output was below the 1956 peak, did not come to a close until the beginning of the current expansion, and the levels of the mid-fifties were not surpassed until 1962. The electrical apparatus and supplies

group exhibits similar movements, while non-ferrous metal products have shown but little advance since 1960, except for some increases during 1964. Non-metallic mineral products and wood products advanced fairly rapidly during the current expansion except for a slow-down early in 1963. During the winter of 1963-64 and the fourth quarter of 1964, a combination of factors such as the government winter-house building incentive programme and the anticipatory buying prior to the imposition of the second and third stages of the tax on building materials appear to have stimulated the output of the construction and building material industries to a considerable extent.

Turning to developments within the year 1964, some special factors should be noted. One of the more important of such factors was the stimulus provided to the economy by the large export sales of wheat during the latter part of 1963 and the first half of 1964. The effects of these exports are reflected in the output of many industries. Strong increases were recorded in both railway and water transportation as the grain and wheat products were transported across Canada. Receipts and shipments and handling operations at grain elevators raised the output of the storage industry to new high levels. In non-durable manufacturing, the grain mill component of food products showed exceptionally strong gains early in the year, with a subsequent decline to more normal levels. Indirectly, the resulting prosperity of the farm sector was reflected in increased retail sales of farm machinery and other products. It is clear, therefore, that the effects of the export sales of wheat to the U.S.S.R. and other countries were quite widespread.

Another factor, which affected both the final months of 1963 and the first and final quarters of

1964, was the sharp increase in construction activity and the production and sale of construction machinery and building materials. The gains in the winter of 1963-64 and the subsequent decline in the early summer were so pronounced as to impose the same pattern of movement on aggregate production. This is particularly noticeable in the case of non-agricultural output, as can be seen from Chart 1. The increases in construction and the production and sale of building materials were again widespread in the last quarter of 1964. As mentioned above, these changes were probably largely associated with the government's winter house building incentive programme and with the anticipatory buying prior to the imposition of the second and third stages of the sales tax on building materials and construction machinery.

The increase in total real output in the final quarter of 1964, however, was dampened by the decline in motor vehicle and parts production which occurred as a result of strikes in that industry both in Canada and the U.S. This decline interrupted the strong expansion of the output of these industries which had begun early in 1961. Nevertheless, during the year as a whole, the motor vehicle and parts industries were among the largest contributors to the increase in aggregate output.

It should also be noted, however, that there were indications of widespread strength in the economy at the end of the year, as reflected by the increases in the output of most of the industries outside the areas of transportation equipment and the construction-oriented group of industries. These last two influences, in terms of their contribution to the change in aggregate output, were largely offsetting.

TABLE C. Rates of Growth¹, 1946-64

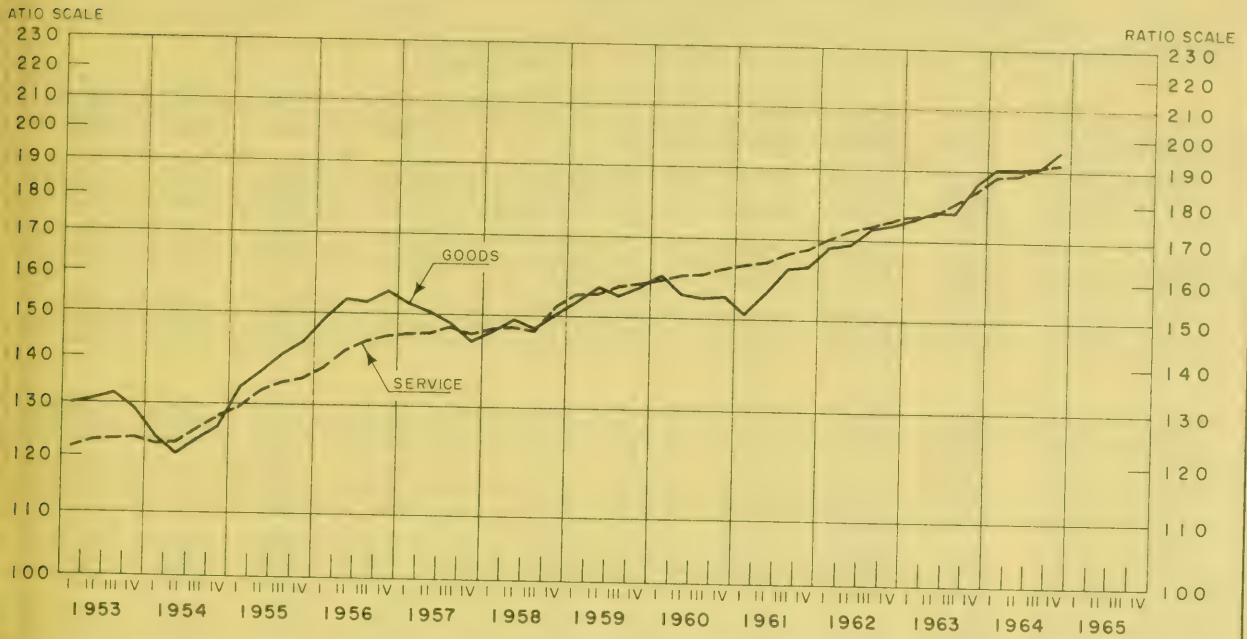
	Percentage
Real domestic product	4.1
Real domestic product less agriculture	4.4
Goods-producing industries	4.1
Agriculture	1.5
Forestry	1.6
Fishing and trapping	1.8
Mining	8.8
Manufacturing	3.9
Electric power and gas utilities	9.6
Construction	5.2
Service-producing industries	4.2
Transportation, storage and communication	4.5
Transportation	3.9
Trade	4.0
Finance, insurance and real estate	5.0
Public administration and defence	4.2
Community, recreation, business and personal service	3.6
Index of Industrial Production ²	4.9

¹ Based on the least squares of logarithms method.

² Includes manufacturing, mining and electric power and gas utilities.

ART-4

COMPARISON OF GOODS-AND SERVICE - PRODUCING INDUSTRIES, BY QUARTERS 1953-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949 = 100)



ART-5

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1953-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949 = 100)

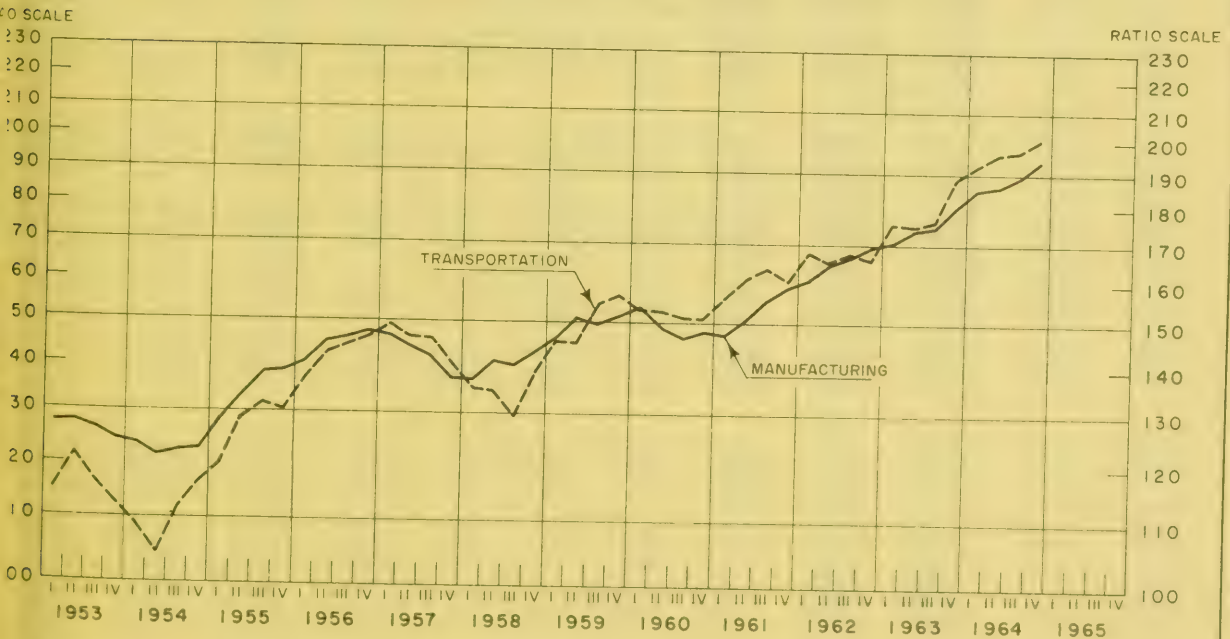


TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964

		Index of Industrial Production	Mining									
			Mining total	Metals					Non-metals		Fuels	
				Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos	Total	Coal
Seasonally adjusted												
1960	J	172.1	256.5	203.2	110.9	398.0	164.8	159.8	188.1	193.9	383.0	5
	F	170.2	260.6	223.1	109.0	443.1	171.9	156.3	194.7	201.6	351.7	5
	M	171.8	263.2	210.0	108.6	437.2	170.5	164.7	190.4	200.0	394.9	6
	A	166.6	251.5	197.4	104.7	412.2	160.8	164.9	191.1	203.2	380.6	4
	M	167.2	256.4	192.1	109.2	499.8	174.1	157.4	202.0	214.1	405.7	4
	J	166.6	249.0	188.6	112.5	438.0	166.6	168.5	194.9	209.1	384.3	5
	J	164.3	249.7	198.4	114.2	444.4	175.8	168.5	180.4	187.7	371.0	5
	A	165.6	249.1	195.5	113.1	480.9	174.9	173.1	185.1	194.3	371.1	5
	S	167.2	255.1	193.5	109.7	344.4	156.7	175.7	192.1	203.5	393.8	6
	O	166.7	245.6	192.3	113.2	315.3	164.7	167.6	186.5	186.2	365.2	5
	N	166.1	252.2	191.2	110.4	277.5	173.3	168.8	194.9	196.3	386.8	5
	D	166.3	248.7	196.3	111.5	465.7	175.9	184.1	203.4	210.5	366.0	4
1961	J	165.6	253.8	199.8	110.4	553.5	165.5	170.3	207.5	215.8	370.6	4
	F	166.7	255.3	200.8	109.3	543.4	161.2	170.1	218.2	239.5	370.9	4
	M	166.0	243.6	185.5	109.8	483.7	158.9	161.3	204.8	219.0	366.1	4
	A	169.2	260.2	184.0	111.8	465.4	165.7	157.4	205.8	216.9	426.1	4
	M	169.4	262.8	184.0	107.5	445.3	166.3	182.1	203.5	222.2	435.4	5
	J	173.3	264.9	187.6	105.6	439.4	171.9	178.2	216.0	232.7	434.0	5
	J	173.4	260.1	190.3	103.2	565.0	174.3	192.9	206.9	219.8	414.8	4
	A	176.4	273.9	188.8	106.6	543.4	173.6	181.9	216.1	228.2	456.7	4
	S	178.1	281.6	196.0	103.3	489.4	169.6	201.9	207.8	212.5	470.7	5
	O	177.9	278.4	199.8	101.3	551.5	188.8	206.8	210.7	214.2	450.1	5
	N	180.1	287.1	196.7	102.6	441.0	179.5	215.3	204.6	207.7	493.8	4
	D	180.5	273.3	189.2	107.9	537.9	171.8	188.4	226.8	231.2	453.7	4
1962	J	179.1	276.2	195.1	101.7	608.6	158.4	196.2	224.9	239.9	458.0	4
	F	181.4	277.6	191.0	100.4	566.3	165.1	189.5	217.3	233.7	469.1	4
	M	183.9	287.4	196.5	103.2	610.0	170.5	201.3	223.3	238.2	488.3	5
	A	184.0	290.7	203.4	102.5	755.2	166.2	188.8	226.1	237.6	471.3	5
	M	186.1	291.0	209.6	99.0	782.9	172.3	190.7	222.4	238.9	467.6	5
	J	186.3	281.5	202.8	97.5	673.4	176.2	177.9	223.8	237.3	450.2	5
	J	186.7	282.7	197.5	97.8	626.2	178.9	175.9	227.5	238.9	463.4	5
	A	188.7	299.9	205.5	100.3	674.5	190.5	183.5	234.5	250.6	503.5	5
	S	188.8	290.6	195.7	102.3	590.3	189.2	179.4	220.1	226.9	497.9	5
	O	189.1	296.2	189.5	97.2	595.8	179.7	153.4	225.6	234.1	527.1	5
	N	189.6	291.9	193.2	96.5	613.7	181.4	197.1	210.9	219.9	503.3	5
	D	189.7	283.6	193.2	97.4	643.3	178.8	189.9	204.6	212.8	484.5	5
1963	J	190.2	282.0	186.1	95.5	590.6	172.2	167.9	223.9	237.0	488.6	5
	F	191.3	290.7	195.8	97.1	723.8	166.3	180.7	211.7	217.0	504.5	5
	M	193.5	298.3	201.8	94.8	795.5	171.5	178.9	210.5	216.8	518.0	5
	A	192.9	290.8	202.5	93.1	750.4	177.7	189.2	208.8	223.8	489.8	5
	M	194.7	293.4	198.2	100.2	654.6	169.1	179.3	230.7	239.7	499.1	5
	J	195.1	294.8	193.8	101.0	630.0	174.3	167.5	219.8	226.7	517.9	5
	J	191.9	281.5	178.7	93.7	567.5	165.8	143.8	220.2	233.3	503.4	5
	A	194.9	289.4	187.2	97.7	567.4	172.1	168.4	240.5	256.9	511.0	5
	S	198.1	300.8	198.7	100.0	698.3	188.1	169.0	238.6	254.4	521.5	5
	O	200.2	303.0	193.2	95.8	620.8	194.8	170.5	233.0	245.9	543.1	5
	N	203.5	305.1	200.9	94.1	780.4	182.6	161.3	244.5	257.7	531.7	5
	D	207.7	311.8	203.7	88.4	948.6	170.9	176.0	243.9	250.9	542.7	5
1964	J	210.3	339.2	226.9	91.3	891.3	193.3	172.9	311.1	240.9	555.6	5
	F	212.4	330.2	222.0	88.5	926.1	181.8	184.6	333.0	244.9	530.5	5
	M	210.1	319.2	209.7	91.4	912.8	184.5	170.3	330.4	244.8	527.9	5
	A	214.1	321.6	213.0	92.8	892.1	185.4	179.3	333.0	274.0	532.1	5
	M	210.2	325.5	214.6	89.8	948.5	187.1	181.7	314.9	260.8	552.5	5
	J	211.0	329.4	211.6	89.3	810.0	184.6	187.3	305.5	260.9	569.4	5
	J	211.6	321.3	199.8	93.4	815.3	186.5	172.6	328.9	277.4	558.6	5
	A	214.6	318.9	206.0	95.2	833.6	191.7	165.9	313.2	255.3	545.9	5
	S	214.4	315.3	201.8	91.5	825.9	173.6	159.9	318.1	249.1	540.3	5
	O	215.1	326.7	211.3	90.1	904.7	191.8	187.6	322.9	266.8	555.6	5
	N	220.9	341.2	216.9	94.9	958.7	193.5	190.6	341.5	277.4	584.2	5
	D	221.1	338.1	208.4	87.0	905.8	194.1	206.4	353.2	276.3	577.0	5

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Continued

Seasonally adjusted										
521.2	926.3	155.1	154.9	151.4	147.8	168.9	156.7	142.6	131.3	
538.8	834.2	152.4	152.8	153.1	149.6	165.8	155.7	157.6	128.9	
579.1	934.1	153.2	154.1	151.6	148.8	162.0	150.3	136.9	132.1	
566.0	928.5	148.9	149.6	147.3	145.8	158.7	153.3	149.2	131.3	
592.5	990.5	149.0	151.1	152.7	149.1	160.2	154.2	169.4	128.2	
594.2	920.2	148.6	151.7	149.6	146.4	157.3	150.4	149.0	134.2	
632.9	877.2	146.1	150.6	149.6	149.2	158.5	148.8	161.6	133.6	
618.6	871.2	146.7	150.4	150.0	144.5	154.2	148.7	142.3	131.9	
606.6	933.3	148.2	150.8	148.0	145.0	148.1	150.6	139.8	137.9	
608.4	868.3	149.2	152.4	151.4	144.8	152.7	155.8	133.8	137.6	
585.6	926.4	147.9	152.6	150.1	146.6	148.7	154.8	151.4	133.6	
631.2	881.3	148.1	151.8	148.2	146.2	144.0	157.9	150.5	133.1	
642.7	889.6	146.7	152.7	149.9	148.5	143.2	157.1	171.4	133.3	
636.5	888.3	147.9	153.4	154.8	153.1	152.0	156.2	177.0	137.3	
652.4	874.8	148.5	153.7	155.4	153.4	148.7	165.9	166.6	135.9	
724.3	1,030.7	149.8	155.4	153.5	151.2	161.0	155.3	149.5	139.7	
704.7	1,042.5	149.1	154.1	148.1	147.6	151.7	149.6	145.8	137.5	
706.2	1,038.4	153.4	158.2	155.6	153.9	166.6	156.4	154.9	141.3	
761.8	996.0	154.0	158.8	157.9	155.4	166.5	159.3	180.9	146.3	
776.9	1,114.6	155.5	157.8	154.1	149.5	160.5	156.1	148.6	141.5	
752.3	1,148.9	156.8	159.1	154.0	148.7	162.2	158.0	142.0	134.6	
730.6	1,094.7	156.8	159.3	153.7	150.3	166.4	160.8	138.8	133.7	
717.0	1,221.2	158.9	160.8	155.8	152.1	162.3	162.6	147.8	138.8	
776.3	1,102.6	160.8	163.5	159.4	154.5	155.3	166.7	154.2	143.4	
846.9	1,107.8	158.2	161.1	157.6	152.6	161.3	158.8	158.9	141.4	
932.8	1,132.8	160.7	162.5	157.3	154.4	167.2	158.5	167.3	138.8	
915.3	1,168.2	162.5	164.8	163.0	159.0	168.5	161.3	174.3	140.9	
919.9	1,151.0	162.3	163.9	159.6	155.2	155.5	165.0	168.6	130.7	
992.7	1,114.4	164.3	165.4	161.9	157.7	156.9	158.4	184.5	134.3	
1,075.7	1,048.0	165.8	166.7	164.8	156.6	159.5	159.5	168.9	146.4	
1,127.9	1,084.1	166.1	165.7	156.0	154.5	152.7	156.8	178.8	142.7	
1,186.8	1,190.4	165.8	164.9	157.9	154.1	158.2	157.2	162.1	135.8	
1,173.4	1,188.9	167.6	165.7	158.7	154.6	156.7	163.3	163.2	137.3	
1,118.6	1,273.8	167.3	164.9	154.7	152.8	156.3	154.8	158.7	133.5	
1,062.9	1,217.1	168.3	165.4	156.6	153.0	159.9	161.7	148.2	133.0	
1,054.0	1,163.4	169.9	167.4	163.6	157.4	159.5	164.5	168.0	137.3	
1,063.0	1,159.6	169.6	166.7	160.1	156.4	157.0	167.2	176.3	140.0	
1,090.5	1,198.2	169.7	167.7	165.1	161.6	160.7	165.7	190.9	145.4	
1,047.3	1,248.1	171.5	171.9	166.8	162.6	159.7	163.8	198.5	146.0	
1,129.9	1,157.4	171.4	170.5	161.8	157.4	156.5	162.9	188.0	138.3	
1,186.2	1,176.8	173.1	171.9	160.6	156.0	164.5	159.4	178.7	138.7	
1,232.8	1,225.1	173.3	172.7	162.4	155.6	162.9	163.6	175.8	145.5	
1,309.0	1,181.8	170.5	170.1	158.7	150.9	156.5	161.5	142.9	133.1	
1,312.5	1,193.9	173.4	173.8	163.2	156.0	161.7	162.8	154.8	141.4	
1,339.8	1,228.1	175.4	173.7	161.6	158.1	165.9	164.6	162.9	147.9	
1,264.0	1,305.4	177.4	175.2	164.5	161.8	164.6	161.4	186.7	152.6	
1,270.9	1,269.6	180.2	175.9	165.3	159.6	169.1	161.8	167.7	157.5	
1,224.3	1,302.0	183.5	180.1	166.6	163.2	175.3	169.4	158.2	163.5	
1,218.0	1,334.5	184.1	178.8	168.2	164.7	176.1	169.1	153.5	193.5	
1,216.0	1,263.6	188.1	183.4	175.7	167.7	176.1	167.8	176.4	191.3	
1,304.1	1,241.7	185.9	179.9	168.2	164.1	163.7	170.2	181.5	189.3	
1,355.5	1,248.3	189.5	184.9	175.4	171.6	180.5	169.2	188.5	187.9	
1,400.6	1,304.2	186.0	182.1	173.4	170.1	171.0	178.9	185.6	187.0	
1,457.7	1,332.8	185.3	183.1	171.9	168.7	179.4	166.2	175.5	184.7	
1,468.7	1,313.1	186.7	181.8	172.1	168.1	178.7	166.5	179.7	175.6	
1,492.1	1,270.1	190.8	184.4	172.9	169.0	187.3	168.8	162.4	184.4	
1,380.3	1,269.7	190.2	185.0	171.1	168.6	184.8	165.3	176.2	175.6	
1,468.5	1,305.8	189.1	187.1	176.9	174.7	183.7	170.3	178.5	181.3	
1,414.4	1,387.6	194.5	191.0	181.2	175.9	183.9	176.4	184.2	177.4	
1,514.9	1,355.5	194.4	192.7	187.0	181.9	214.4	164.7	191.2	177.2	

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Continued

		Non-durable manufacturing									
		Foods		Beverages				Tobacco and tobacco products	Rubber products	Leather products	
		Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			Total	Footwear and shoes
Seasonally adjusted											
1960	J	142.1	140.5	162.9	156.8	154.1	192.0	186.6	169.0	118.9	118.9
	F	141.2	143.8	164.3	181.0	141.5	199.1	171.8	152.3	113.5	113.5
	M	142.3	160.4	160.5	160.2	147.7	192.6	183.1	153.4	112.8	112.8
	A	140.5	138.8	152.0	142.7	144.9	179.9	164.5	141.9	109.6	109.6
	M	141.4	138.4	164.1	171.0	148.5	193.1	175.9	130.3	105.3	105.3
	J	143.7	140.9	159.5	150.3	143.7	207.8	176.6	139.6	105.6	105.6
	J	146.8	142.8	150.9	154.1	150.3	148.9	164.6	139.9	107.5	107.5
	A	146.6	139.3	167.4	151.6	144.4	235.7	185.5	140.2	110.7	110.7
	S	146.9	143.9	157.4	157.8	136.1	205.8	188.7	137.3	118.0	118.0
	O	146.2	140.5	172.3	174.0	155.4	213.9	196.0	133.1	113.3	113.3
	N	144.1	144.1	161.2	180.6	144.9	177.8	185.7	135.0	111.9	111.9
	D	145.1	144.0	154.7	147.5	147.9	180.5	199.6	136.5	116.7	116.7
1961	J	145.6	140.0	154.5	169.9	137.4	177.2	193.0	132.0	115.1	115.1
	F	146.2	148.6	160.1	168.6	142.9	192.1	189.1	122.1	118.9	118.9
	M	148.2	152.5	161.7	150.0	143.8	217.1	185.6	131.9	120.8	120.8
	A	149.7	148.3	160.8	163.6	144.8	194.5	189.2	143.0	122.8	122.8
	M	150.5	146.5	149.6	137.8	139.1	181.8	187.9	142.5	121.9	121.9
	J	155.2	145.5	161.0	168.2	142.4	196.0	206.3	146.3	126.9	126.9
	J	148.9	134.2	165.8	176.4	151.9	187.5	190.9	154.3	127.2	127.2
	A	147.5	141.8	168.6	173.6	152.0	204.6	203.0	150.5	121.8	121.8
	S	148.2	143.0	170.5	181.1	149.5	210.7	191.7	153.4	126.1	126.1
	O	149.9	146.3	164.3	154.3	154.6	201.5	205.6	156.8	125.9	125.9
	N	150.1	147.5	167.7	174.3	148.0	207.2	197.1	150.2	129.4	129.4
	D	151.2	153.7	175.0	175.3	156.4	220.9	193.3	170.3	130.6	130.6
1962	J	140.8	152.9	173.3	162.0	147.8	247.3	205.7	154.5	130.7	130.7
	F	141.1	151.3	166.4	173.6	150.1	199.3	200.3	151.4	126.8	126.8
	M	145.2	160.2	175.5	181.0	149.2	233.3	209.4	156.0	128.3	128.3
	A	146.3	159.2	173.4	163.4	161.9	215.7	195.4	161.7	124.9	124.9
	M	147.7	159.5	175.2	180.8	160.0	206.1	205.3	168.1	125.0	125.0
	J	144.7	159.4	190.5	198.9	162.7	248.3	203.0	173.4	128.8	128.8
	J	144.0	151.9	160.9	167.8	165.4	143.6	204.5	172.0	129.6	129.6
	A	144.7	160.6	170.0	162.2	147.2	232.7	202.9	160.8	126.0	126.0
	S	145.6	157.3	171.8	187.1	150.6	205.2	202.4	176.8	123.6	123.6
	O	146.5	160.1	160.7	140.1	155.5	203.8	208.2	174.7	123.4	123.4
	N	145.9	161.4	167.9	185.3	149.6	189.4	205.7	175.8	128.0	128.0
	D	147.1	162.9	183.1	183.7	173.0	208.9	204.7	179.5	124.9	124.9
1963	J	139.4	157.4	171.8	176.0	150.9	217.5	205.5	184.8	128.3	128.3
	F	142.3	163.9	176.3	168.2	160.7	223.0	221.3	190.7	126.4	126.4
	M	140.4	166.8	180.3	178.6	163.1	224.9	214.1	197.0	126.8	126.8
	A	135.9	161.4	175.6	192.5	155.1	206.2	210.2	181.3	122.5	122.5
	M	138.7	154.4	175.3	177.3	151.3	231.4	217.6	192.2	126.8	126.8
	J	134.9	153.2	183.9	183.7	164.4	232.2	207.5	196.0	128.0	128.0
	J	139.8	164.3	183.3	174.1	167.4	234.0	221.7	182.7	119.1	119.1
	A	140.5	169.2	185.9	185.6	165.4	236.9	204.8	193.1	126.6	126.6
	S	139.8	165.4	172.8	168.8	162.4	203.4	182.3	179.9	126.6	126.6
	O	137.3	168.6	173.1	176.7	151.6	221.9	196.2	185.9	128.5	128.5
	N	135.1	167.5	183.3	200.0	163.7	214.3	206.4	192.5	132.3	132.3
	D	134.8	178.4	177.5	169.0	168.2	213.0	209.1	207.7	128.4	128.4
1964	J	142.7	164.8	179.5	171.1	158.9	237.1	209.2	201.1	125.4	125.4
	F	143.3	163.6	200.8	191.7	183.1	257.3	199.5	220.6	132.2	132.2
	M	141.9	153.5	181.4	176.8	176.9	200.1	178.8	209.2	128.8	128.8
	A	145.6	168.2	187.4	185.6	164.9	245.0	213.6	222.8	131.7	131.7
	M	144.6	165.9	183.6	175.9	164.0	242.2	209.5	209.6	133.9	133.9
	J	145.0	169.5	182.1	171.8	166.0	235.7	216.9	211.9	129.6	129.6
	J	149.8	164.2	184.6	186.0	162.6	235.3	211.1	198.2	129.4	129.4
	A	147.6	169.7	185.2	175.7	169.9	234.9	232.4	210.4	134.2	134.2
	S	148.3	166.5	178.8	177.0	155.6	237.9	227.5	215.5	130.5	130.5
	O	154.7	182.4	183.8	180.6	158.6	251.3	227.8	204.4	130.9	130.9
	N	153.9	182.1	197.8	189.3	180.4	252.1	221.4	217.5	130.1	130.1
	D	151.9	184.1	203.4	179.9	176.1	296.9	221.2	229.7	133.4	133.4

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Continued

Non-durable manufacturing								
Textiles				Clothing total ¹	Paper products		Printing, publishing and allied industries	
Total	Cotton goods	Wool goods	Synthetic textiles and silk		Total	Pulp and paper		
Seasonally adjusted								
129.4	88.8	97.0	198.9	111.4	147.8	147.6	152.8	
123.0	86.0	77.8	190.6	110.3	147.2	145.2	148.6	
128.4	91.5	85.0	199.8	110.8	148.7	150.3	143.4	
121.1	87.2	77.4	184.2	109.4	144.4	143.9	141.2	
124.0	90.7	73.1	196.0	108.0	147.0	145.8	143.3	
122.7	89.2	75.6	192.3	107.5	149.0	149.2	148.8	
117.1	88.6	67.9	177.9	106.7	148.6	148.3	145.8	
114.3	85.8	76.7	163.4	108.3	148.4	147.9	141.4	
118.7	83.1	78.4	181.8	107.3	149.2	148.9	145.2	
123.3	91.5	79.9	188.9	106.4	150.0	149.6	150.1	
120.9	92.1	72.3	184.7	106.9	153.9	155.4	153.3	
127.5	99.6	76.9	199.3	108.4	146.7	145.8	146.9	
127.9	93.8	78.7	204.5	108.6	148.7	148.7	149.8	
125.1	91.2	73.6	199.8	107.4	150.1	152.1	144.8	
126.7	87.8	76.6	206.4	107.7	149.9	150.2	146.5	
127.4	91.6	79.2	202.7	105.9	153.1	153.1	147.7	
132.1	96.6	80.7	213.4	106.6	150.8	150.0	146.1	
137.0	97.5	91.5	222.2	107.7	154.3	152.6	142.6	
142.3	110.0	85.9	231.5	108.9	154.9	154.0	145.8	
128.7	96.8	72.2	205.0	106.3	154.9	153.7	148.7	
138.9	97.8	86.3	232.0	108.4	155.5	156.3	151.1	
139.4	109.5	79.5	225.0	110.8	154.8	154.8	154.0	
140.1	106.5	78.7	229.8	111.5	156.3	156.3	151.7	
147.6	109.7	80.6	252.1	113.7	157.3	157.5	151.6	
141.1	104.3	79.4	233.9	106.7	154.8	154.7	149.9	
144.3	108.7	81.0	240.0	105.1	157.9	158.3	153.8	
141.5	108.4	77.9	231.9	106.9	160.4	158.7	152.7	
139.4	109.2	90.0	213.4	110.3	158.2	156.9	154.8	
147.6	106.8	88.7	246.1	111.2	156.6	155.8	156.9	
148.3	99.5	94.5	250.5	113.4	159.6	159.0	153.2	
155.4	116.6	98.1	250.4	113.7	159.1	157.9	155.0	
145.1	103.3	83.1	237.4	112.8	160.8	160.7	156.1	
150.9	104.6	94.2	250.3	112.3	163.1	163.9	152.4	
150.3	108.7	86.2	248.1	113.4	159.3	159.6	153.1	
151.9	102.0	79.8	266.2	112.8	159.9	160.2	153.4	
149.6	100.8	83.5	255.7	115.7	159.5	158.3	152.3	
149.9	101.8	87.0	258.0	139.6	156.8	154.1	153.1	
150.4	100.6	89.1	260.8	133.8	153.6	151.4	151.9	
153.8	101.4	85.9	274.2	130.9	161.7	161.0	153.7	
154.9	104.6	72.3	283.6	137.5	160.3	159.4	156.7	
157.0	102.3	94.2	278.0	136.1	165.2	164.8	156.1	
159.2	114.2	93.5	272.7	137.2	162.7	162.1	158.5	
152.4	106.3	88.5	260.5	137.2	162.1	161.8	155.8	
165.6	117.1	89.6	294.8	133.9	167.0	167.5	157.9	
165.7	114.9	89.4	295.7	135.4	167.9	167.6	161.5	
168.1	114.8	99.0	298.6	142.4	165.3	164.7	159.7	
163.4	115.2	89.1	286.3	136.3	168.8	168.9	155.9	
172.1	121.4	90.9	308.2	146.6	175.4	176.5	157.4	
168.0	117.4	100.1	286.0	132.3	171.8	171.6	162.0	
168.5	121.0	94.3	286.6	135.4	175.5	172.8	162.2	
167.3	113.5	93.0	291.7	131.2	175.8	174.9	162.0	
177.5	128.0	99.7	308.0	130.8	180.9	183.0	172.6	
170.0	119.1	96.0	293.7	129.3	173.9	175.4	174.6	
170.4	120.7	81.7	304.9	135.8	174.5	175.8	169.0	
169.5	121.2	88.5	297.6	139.1	177.1	179.6	158.9	
172.7	125.3	83.5	308.0	136.7	181.2	184.1	154.3	
174.2	121.2	83.5	316.5	138.8	179.2	180.1	163.1	
172.8	118.2	88.6	313.3	136.5	182.7	183.3	169.1	
177.2	122.4	86.1	328.2	143.1	186.8	188.1	166.5	
171.3	112.3	83.5	318.7	139.0	187.5	188.3	161.1	

Explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Continued

		Non-durable manufacturing					Durable manufacturing			
		Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
		Total	Petroleum products	Total	Acids, alkalies, salts, and fertilizers			Total	Saw and planing mills	Veneer and plywood
Seasonally adjusted										
1960	J	255.7	274.3	221.5	262.2	186.0	155.4	143.1	151.6	
	F	251.7	270.1	219.1	256.3	187.6	151.9	140.3	147.4	
	M	254.9	273.1	221.4	254.7	189.5	152.2	138.9	145.2	
	A	265.9	285.9	216.7	250.8	190.4	148.1	138.7	145.1	
	M	257.1	276.9	216.4	261.5	187.8	146.5	133.3	138.0	
	J	257.9	278.8	221.6	264.8	188.5	145.0	135.2	140.7	
	J	247.5	267.2	224.8	272.3	190.4	140.9	134.1	138.0	
	A	247.1	266.7	222.1	272.8	191.0	142.3	134.9	138.7	
	S	241.1	259.7	223.0	265.1	192.7	145.1	134.5	137.9	
	O	243.4	262.0	219.7	258.6	196.2	145.5	130.9	133.5	
	N	251.0	271.4	214.3	254.9	198.8	142.5	131.6	135.8	
	D	252.7	273.4	215.4	254.6	199.7	143.8	139.9	149.0	
1961	J	243.7	263.5	220.2	254.6	198.1	139.8	132.5	137.0	
	F	249.7	269.9	220.8	255.5	201.0	141.5	133.8	139.6	
	M	246.1	265.6	216.6	258.4	200.0	142.5	136.9	144.2	
	A	272.8	294.8	219.8	254.5	201.1	143.1	138.6	146.5	
	M	267.4	288.6	220.8	262.5	206.2	143.2	133.0	137.8	
	J	259.9	279.2	228.0	265.9	210.9	147.9	138.8	145.2	
	J	228.6	243.8	227.0	259.6	213.2	148.4	143.7	152.3	
	A	276.2	298.0	225.7	257.9	216.4	152.8	141.0	148.2	
	S	272.3	293.2	220.6	254.1	220.7	154.2	143.3	151.1	
	O	254.5	273.7	220.4	251.4	224.6	153.9	138.2	143.5	
	N	266.8	287.6	223.7	253.6	229.3	156.7	148.6	158.4	
	D	265.3	285.8	223.9	258.0	230.5	157.6	152.4	163.7	
1962	J	268.4	290.1	227.1	261.2	231.3	154.8	146.0	153.4	
	F	275.1	297.6	232.6	265.4	231.2	158.6	148.7	157.4	
	M	265.6	286.9	238.5	265.7	232.9	159.8	150.7	159.5	
	A	273.8	296.2	237.4	270.8	233.1	160.4	150.4	159.3	
	M	267.7	289.1	235.9	277.9	233.3	162.9	149.0	157.3	
	J	249.9	288.5	238.7	277.8	236.6	164.8	148.7	156.6	
	J	251.4	269.3	240.7	281.0	238.8	166.6	153.0	162.9	
	A	273.2	293.8	232.5	264.6	241.6	166.9	149.8	158.7	
	S	276.9	298.1	232.0	246.5	242.4	169.9	157.0	169.2	
	O	296.3	320.6	225.9	253.1	241.9	170.2	154.4	165.3	
	N	280.9	304.1	228.9	258.0	241.4	171.6	159.1	172.2	
	D	285.9	308.8	229.7	260.1	240.4	172.8	160.3	173.7	
1963	J	284.1	306.2	229.5	255.2	241.2	173.1	157.0	167.9	
	F	281.7	303.2	236.0	277.9	241.1	172.2	158.8	171.5	
	M	303.4	328.2	248.8	307.6	243.5	171.1	156.4	168.3	
	A	302.2	326.9	245.5	310.6	246.2	172.5	155.7	167.3	
	M	285.5	308.2	252.3	307.4	250.4	174.5	157.5	170.1	
	J	292.7	316.6	252.0	304.9	250.5	173.9	158.2	171.7	
	J	297.3	321.7	250.3	308.4	248.9	170.9	154.8	167.2	
	A	293.5	317.3	252.8	306.2	249.0	172.9	157.0	169.7	
	S	312.7	338.6	249.4	306.4	249.3	177.4	159.4	172.7	
	O	308.2	333.4	251.4	309.3	248.1	179.9	163.5	178.9	
	N	302.9	327.5	262.9	315.0	246.3	185.2	165.9	181.7	
	D	308.0	332.2	263.1	310.5	245.1	187.6	165.6	180.4	
1964	J	306.3	331.0	269.3	307.3	252.3	190.3	167.6	183.0	
	F	308.9	334.2	276.9	327.5	258.2	193.5	167.3	181.6	
	M	298.4	322.6	277.2	310.3	259.5	192.9	167.0	180.8	
	A	305.1	330.3	266.7	315.1	258.4	194.9	170.8	186.9	
	M	299.5	323.7	269.4	314.8	261.8	190.5	162.3	174.7	
	J	314.2	340.5	273.0	319.9	263.9	187.8	153.5	162.6	
	J	308.7	334.7	267.3	322.3	264.6	192.6	160.1	172.8	
	A	307.7	333.2	279.1	329.1	266.8	198.3	169.5	186.5	
	S	292.5	315.7	288.4	365.9	267.1	196.3	163.6	177.7	
	O	298.5	322.0	288.4	354.0	265.2	191.4	169.4	185.3	
	N	307.2	332.0	295.8	364.8	262.0	198.6	172.6	188.8	
	D	320.0	346.2	302.6	364.4	261.7	196.4	162.3	173.1	

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Continued

Durable manufacturing									
Wood products		Iron and steel products					Transportation equipment		
Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles
Seasonally adjusted									
139.5	141.4	150.8	138.2	168.1	183.5	148.4	141.3	238.6	179.7
134.6	141.7	145.3	137.6	136.3	183.9	146.3	132.3	234.8	156.2
131.0	141.8	144.3	138.1	141.8	183.4	145.2	135.7	231.0	167.6
134.9	141.1	139.3	139.0	135.4	162.3	144.0	130.9	233.5	157.4
126.3	139.9	137.6	137.6	129.8	160.9	143.9	132.2	234.6	163.9
131.4	139.7	134.2	136.0	125.0	148.6	145.8	127.8	235.5	154.8
134.0	141.9	130.4	137.1	121.8	143.5	142.9	117.9	225.2	135.1
132.0	143.0	132.1	136.0	119.1	151.8	142.3	120.5	225.5	143.7
132.2	143.7	131.7	132.9	140.4	162.1	143.5	136.6	236.7	181.0
129.8	142.2	133.2	131.8	153.7	161.4	143.0	139.4	244.1	187.6
126.9	140.0	135.8	130.4	195.7	156.4	142.0	121.4	254.5	142.0
145.9	137.6	135.7	127.7	205.3	148.2	142.2	121.9	261.2	143.6
129.2	140.5	129.4	127.6	160.0	140.7	143.4	120.1	264.2	137.6
132.5	138.5	132.1	129.1	156.9	150.9	143.2	122.9	269.1	144.2
135.1	138.1	136.2	131.4	163.4	160.1	142.0	117.8	266.9	133.4
138.2	138.9	134.8	131.8	141.0	161.3	141.8	118.8	265.8	141.5
122.9	141.2	136.3	131.3	117.9	183.6	140.3	118.6	266.0	143.0
129.7	144.9	140.8	131.5	151.1	183.4	141.5	126.9	271.1	154.8
135.9	145.7	141.1	132.9	144.3	180.1	141.1	128.8	262.4	155.1
126.5	146.1	147.6	135.6	176.5	196.3	139.6	139.3	262.1	173.2
134.4	146.9	145.9	138.1	166.8	188.2	138.3	141.8	266.6	180.0
132.4	146.3	142.7	137.3	152.0	182.9	139.2	143.3	274.1	185.2
147.4	146.6	140.4	136.3	126.7	177.1	140.3	145.1	279.7	186.0
154.0	148.2	141.2	137.6	120.0	177.5	142.9	141.4	283.8	177.1
138.8	150.3	140.9	139.5	91.2	182.5	147.6	137.2	283.5	165.2
146.1	149.6	147.0	142.3	123.1	187.6	153.4	143.5	279.5	179.1
149.5	152.0	146.5	142.9	130.0	181.5	153.9	143.8	273.2	179.3
149.0	152.3	146.3	143.3	139.9	181.3	153.3	145.1	265.0	184.2
147.0	152.8	149.1	144.3	140.8	190.9	154.7	152.7	261.6	202.6
144.2	153.6	153.0	145.9	153.0	195.9	159.6	155.2	266.3	203.7
142.0	153.9	155.0	145.1	157.9	200.5	162.1	155.5	259.2	209.4
145.0	152.0	156.1	149.5	154.8	201.1	165.3	158.5	259.7	208.0
158.8	152.9	159.2	156.4	158.4	198.3	163.6	168.2	256.8	227.4
155.6	153.5	156.4	159.3	139.4	189.0	159.5	169.1	248.0	229.8
164.1	152.1	158.1	159.8	135.8	200.4	156.5	170.1	237.1	231.5
163.1	153.3	158.6	160.1	113.4	205.0	153.4	170.5	226.7	232.3
156.0	155.9	159.0	159.4	148.0	207.4	157.6	178.2	226.1	251.5
161.3	153.7	160.4	159.5	150.8	210.5	160.4	171.5	227.7	236.1
158.8	153.9	160.8	157.3	160.2	211.9	160.7	168.1	224.2	231.1
157.0	153.7	159.7	157.8	155.8	209.3	159.7	171.9	224.6	239.2
161.8	152.6	160.6	159.7	151.3	208.6	159.2	174.2	229.4	242.8
165.6	150.8	161.4	160.7	154.2	209.7	157.2	174.8	227.3	245.8
159.0	150.4	157.7	161.5	143.7	210.9	155.1	171.1	224.7	236.3
162.0	151.9	156.4	159.4	148.2	203.6	155.5	176.5	228.1	252.4
161.7	152.3	160.5	158.2	141.3	220.0	152.5	184.5	234.3	266.1
170.2	152.2	164.5	160.6	151.0	225.2	153.0	192.2	245.3	276.0
169.6	153.8	168.7	163.0	157.1	240.9	154.6	204.7	257.2	299.5
166.3	156.1	171.4	164.8	161.4	245.4	158.1	209.2	256.7	305.7
168.8	156.6	174.9	167.6	177.6	237.6	161.8	207.3	261.7	300.3
167.5	158.7	177.0	171.1	170.1	233.9	164.9	208.6	259.7	305.8
166.0	159.9	180.3	172.4	163.3	241.6	161.8	206.6	260.4	304.7
175.1	159.2	182.5	174.4	180.6	250.9	163.2	205.9	266.9	302.2
163.2	159.1	182.0	175.8	198.1	243.8	161.4	197.8	271.0	278.5
145.8	157.4	176.7	179.3	178.7	236.9	162.5	199.6	275.9	287.9
161.4	155.3	181.0	182.3	199.4	239.3	157.6	210.0	282.1	293.4
177.6	155.0	183.4	183.2	193.5	245.6	159.9	221.7	281.9	323.8
170.1	155.0	180.6	181.9	174.3	240.8	161.4	220.2	274.9	321.4
177.1	157.2	186.1	183.3	170.8	252.3	168.0	177.2	271.7	218.8
179.8	160.2	191.6	187.3	183.8	255.0	172.8	193.0	278.4	255.5
158.6	161.4	197.0	190.1	196.3	265.4	177.9	168.6	270.7	208.8

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960—Dec. 1964 — Continued

Durable manufacturing										
Transportation equipment				Non-ferrous metal products			Electrical apparatus and supplies			
	Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refr. appls.
Seasonally adjusted										
1960 J	130.2	56.0	147.0	142.6	116.1	159.5	190.7	140.2	429.4	190.7
F	135.3	53.4	147.6	148.4	118.9	167.6	190.4	139.7	436.1	191.3
M	130.6	52.8	149.0	153.2	119.8	174.7	191.1	140.6	445.3	191.3
A	125.9	53.3	146.8	149.0	118.9	168.5	189.3	141.7	431.4	191.3
M	122.1	52.7	143.3	146.5	116.3	164.9	184.4	140.6	419.6	191.3
J	117.0	52.5	144.3	150.1	114.1	171.4	180.6	139.5	389.9	191.3
J	111.6	51.6	141.9	150.2	115.7	171.6	177.0	138.0	372.4	191.3
A	109.8	51.3	138.0	151.5	116.1	173.5	175.5	137.2	353.4	191.3
S	116.1	50.8	137.3	148.0	112.5	169.8	176.6	135.0	383.3	191.3
O	117.0	49.7	135.1	148.2	110.3	169.9	174.1	130.8	378.9	191.3
N	112.0	47.5	137.1	148.2	113.2	169.2	168.6	124.8	378.9	191.3
D	110.7	46.2	133.9	148.2	110.7	170.1	168.6	124.8	379.3	191.3
1961 J	111.7	45.8	137.1	149.7	114.1	170.8	166.3	124.7	370.7	191.3
F	113.0	44.2	137.4	146.1	115.6	164.7	170.2	124.9	414.0	191.3
M	114.4	42.9	131.8	148.3	115.5	168.5	171.5	125.3	397.5	191.3
A	110.8	41.9	119.5	145.8	116.4	164.4	173.3	127.1	383.4	191.3
M	111.5	40.4	113.6	151.2	118.9	172.7	171.2	129.2	373.4	191.3
J	113.4	40.3	146.0	146.0	122.3	163.5	180.6	131.7	409.4	191.3
J	124.7	42.1	147.8	140.7	123.7	155.3	183.2	133.8	434.8	191.3
A	139.8	44.5	149.5	141.8	124.5	156.2	184.1	135.2	404.9	191.3
S	130.0	44.9	159.2	145.1	128.0	159.8	190.1	134.2	439.3	191.3
O	126.0	42.6	161.6	150.0	128.3	167.9	192.2	138.2	447.8	191.3
N	129.9	42.4	165.7	155.9	128.9	176.5	197.8	139.5	472.3	191.3
D	124.0	42.8	170.0	152.5	126.2	171.4	207.1	142.6	557.6	191.3
1962 J	126.4	43.1	170.6	153.3	128.0	172.1	203.4	144.0	514.9	191.3
F	133.7	42.1	172.5	150.6	125.2	167.8	205.8	143.0	524.3	191.3
M	135.2	42.9	175.1	150.1	127.2	166.3	210.6	145.3	559.0	191.3
A	139.6	41.9	169.3	148.4	128.4	163.6	212.2	145.6	562.7	191.3
M	141.0	41.1	174.4	154.3	128.5	172.0	207.4	146.8	499.3	191.3
J	142.1	40.8	189.4	148.0	128.2	162.0	214.0	149.3	533.6	191.3
J	134.6	40.3	188.7	150.7	127.5	165.4	212.5	150.5	512.9	191.3
A	151.0	40.8	193.3	150.3	128.0	165.3	214.5	152.0	488.8	191.3
S	158.3	42.6	199.8	146.4	126.2	160.4	212.4	152.8	474.6	191.3
O	160.5	41.8	204.2	142.7	124.1	155.3	221.3	152.8	563.4	191.3
N	167.4	40.9	203.8	145.9	124.8	160.0	219.7	156.8	540.2	191.3
D	170.0	42.1	205.7	146.2	125.6	160.5	222.8	159.4	552.5	191.3
1963 J	169.9	42.1	209.5	147.1	127.1	161.6	218.6	160.9	501.3	191.3
F	171.1	40.9	203.0	146.5	127.5	160.1	220.6	160.6	520.2	191.3
M	167.8	40.2	199.1	145.5	127.5	158.4	220.8	158.2	529.2	191.3
A	169.6	39.3	203.8	150.9	129.0	165.7	222.6	155.3	542.1	191.3
M	173.0	38.8	204.9	150.6	131.2	164.9	224.4	154.3	549.1	191.3
J	173.2	39.1	198.7	149.4	133.2	162.4	223.2	153.8	546.4	191.3
J	177.4	39.3	192.4	145.9	136.2	155.4	221.2	153.3	527.9	191.3
A	172.7	40.3	186.8	151.6	137.2	164.3	221.8	152.0	538.4	191.3
S	181.6	41.8	189.4	151.7	135.8	164.9	223.3	150.1	557.5	191.3
O	193.6	43.4	192.6	151.2	135.8	165.1	222.5	148.9	553.0	191.3
N	203.0	44.4	195.1	149.3	138.6	160.6	230.8	151.1	592.8	191.3
D	214.9	44.7	195.2	148.8	140.4	159.2	232.5	155.0	589.2	191.3
1964 J	216.9	44.7	192.1	152.9	144.0	162.9	232.9	156.7	590.9	191.3
F	215.4	46.1	184.4	158.0	147.6	170.0	229.9	158.8	550.7	191.3
M	211.9	46.9	174.0	159.2	148.3	171.7	230.2	161.1	547.2	191.3
A	211.7	46.6	173.2	160.9	147.9	174.2	237.3	162.6	578.7	191.3
M	212.7	46.9	179.1	160.6	150.8	173.0	239.4	162.5	599.3	191.3
J	216.4	47.6	187.1	163.6	151.8	177.8	234.4	160.2	547.5	191.3
J	239.5	47.7	188.6	161.4	147.6	176.1	234.9	158.9	539.1	191.3
A	238.9	47.6	185.2	157.0	144.5	170.0	244.0	159.9	596.4	191.3
S	238.2	46.6	184.4	159.5	146.7	172.9	242.9	161.4	585.2	191.3
O	216.9	47.8	190.5	166.6	151.1	183.8	245.5	162.4	609.6	191.3
N	214.5	49.3	199.6	166.7	155.2	182.3	249.2	163.1	626.7	191.3
D	173.2	49.7	201.8	172.5	159.9	189.8	250.9	164.3	648.2	191.3

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1960 - Dec. 1964 - Concluded

Production, by months, Jan. 1960 - Dec. 1964 - Concluded							
Durable manufacturing					Electric power and gas utilities		
Non-metallic mineral products							
Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas	
Seasonally adjusted							
221.7	556.0	180.1	189.3	287.5	279.0	364.0	
220.0	555.8	190.9	180.9	288.9	281.5	355.2	
210.6	503.9	187.1	172.0	299.6	289.8	387.6	
200.1	449.1	180.0	174.4	293.0	284.3	370.7	
206.4	485.8	199.6	165.5	294.5	285.7	373.4	
209.3	499.5	206.6	153.3	302.1	292.3	390.1	
206.4	504.8	201.2	148.6	297.8	287.8	387.2	
209.5	504.2	217.9	132.0	314.6	297.7	466.4	
207.9	513.3	213.3	128.3	308.7	296.9	414.8	
210.7	514.0	221.8	139.3	301.4	287.5	425.7	
217.4	555.1	215.1	130.4	298.9	285.5	419.5	
215.9	545.7	217.7	152.4	305.6	289.9	446.7	
210.5	535.7	219.2	124.5	305.8	290.2	445.6	
211.2	634.2	183.0	122.8	303.9	288.7	440.1	
208.9	567.4	198.6	126.0	302.5	288.7	426.7	
219.0	601.9	220.3	140.0	312.2	294.6	469.6	
220.7	584.8	234.0	139.8	322.4	300.4	519.3	
223.3	579.6	232.4	154.8	323.5	298.8	545.3	
217.2	525.1	211.1	153.8	325.0	301.3	537.3	
222.7	577.8	214.8	146.4	331.0	304.7	566.8	
220.6	556.2	220.9	154.3	327.4	303.4	542.8	
227.2	571.0	219.8	152.0	330.4	305.6	553.1	
227.6	573.1	210.3	143.7	321.8	302.3	496.4	
230.7	600.4	205.7	156.7	325.5	304.4	514.4	
222.9	536.1	229.9	147.2	336.0	314.7	527.2	
225.9	529.8	254.3	150.9	335.9	314.8	525.3	
233.3	585.7	260.0	146.9	335.2	313.7	528.5	
240.7	654.9	237.3	143.5	333.9	313.4	518.1	
241.9	653.4	239.9	149.3	341.7	321.8	520.2	
245.5	645.0	253.3	146.8	337.6	313.0	558.2	
248.8	653.8	241.5	150.4	340.5	308.6	626.7	
243.0	696.4	227.8	147.2	350.4	317.4	646.1	
236.1	615.4	249.0	156.1	339.4	304.8	649.6	
249.6	774.7	227.5	147.5	340.7	310.8	608.5	
244.5	701.5	232.9	148.3	341.9	313.5	596.9	
250.5	655.2	294.0	154.6	334.4	310.5	548.3	
241.2	647.6	260.1	136.4	351.5	324.9	590.3	
234.3	617.1	243.6	127.5	353.4	324.9	609.5	
234.6	600.6	235.0	132.9	351.3	323.7	598.5	
237.4	630.0	254.7	134.1	357.6	331.1	595.7	
250.5	683.1	251.1	134.0	358.6	329.8	616.7	
238.2	610.8	239.6	145.7	361.3	329.8	643.8	
240.1	593.9	241.8	143.7	370.8	341.5	633.6	
242.5	604.7	250.7	132.4	365.9	334.6	646.7	
256.9	745.4	244.9	138.4	372.8	340.7	661.0	
242.5	637.4	264.6	138.5	376.3	349.4	618.0	
246.4	682.0	247.7	141.1	390.6	364.9	621.0	
253.7	783.6	192.5	127.7	403.8	374.2	668.9	
270.9	891.3	228.2	125.9	391.2	360.0	670.7	
303.9	998.8	309.1	149.3	384.3	360.5	598.1	
280.8	819.9	284.9	165.4	396.4	367.9	652.2	
278.5	832.9	310.0	162.2	409.3	370.1	760.8	
257.0	740.7	270.5	151.5	384.5	351.7	678.5	
261.4	781.1	252.5	138.6	405.4	364.7	770.4	
266.0	816.3	262.2	138.2	407.4	373.0	716.1	
273.8	855.5	260.9	147.5	403.7	367.8	725.4	
274.0	832.4	269.5	140.2	416.1	378.2	756.4	
278.4	829.2	285.9	144.8	426.9	383.6	815.0	
295.9	926.4	311.3	151.1	421.8	385.3	748.8	
327.7	1,083.8	355.4	149.8	434.1	397.5	762.0	

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964

		Index of Industrial Production	Mining								Fuels	
			Mining total	Metals					Non-metals			
				Total	Gold	Iron ore	Copper	Nickel	Total	Asbestos		
Without seasonal adjustment												
1960	J	166.2	253.7	189.7	109.8	183.1	163.2	159.6	163.0	171.0	431.0	6
	F	169.5	258.6	208.0	112.8	199.4	171.4	161.0	177.9	189.5	403.2	6
	M	170.5	255.8	197.8	109.4	201.1	174.4	163.2	190.0	207.6	409.5	5
	A	164.0	234.3	187.7	106.7	222.6	161.9	166.1	190.1	204.2	349.0	4
	M	169.4	250.0	189.6	110.4	488.8	168.4	157.9	207.7	216.7	377.6	4
	J	173.0	258.2	203.0	112.9	648.2	174.3	174.2	196.4	203.9	369.9	3
	J	161.5	263.1	211.3	114.8	680.0	172.3	163.6	168.2	168.2	379.0	4
	A	162.4	254.1	208.0	106.9	721.4	170.4	175.7	185.0	189.1	345.8	3
	S	169.9	264.7	207.4	107.5	637.1	160.0	172.4	212.3	224.9	376.5	6
	O	171.3	253.4	202.2	117.5	473.0	162.2	165.3	207.8	211.3	351.1	6
	N	170.9	252.1	188.7	114.6	222.0	176.2	167.6	227.3	236.9	378.5	7
	D	159.9	241.1	181.7	110.6	198.4	169.2	176.4	185.0	193.9	391.3	5
1961	J	160.0	247.6	183.2	109.8	266.8	162.2	169.4	177.8	187.3	417.0	5
	F	166.5	255.1	186.9	113.2	279.3	162.3	173.5	200.0	223.9	426.4	5
	M	164.6	235.4	173.1	110.2	251.5	158.1	159.2	205.8	228.2	380.5	4
	A	166.4	243.8	174.5	112.9	289.0	161.1	159.8	203.8	216.9	401.0	4
	M	171.5	262.9	182.8	107.8	466.2	162.8	180.8	206.5	222.2	429.6	4
	J	179.8	274.1	201.6	106.7	625.3	182.9	185.2	226.5	237.6	417.4	4
	J	168.7	275.7	206.9	103.9	890.9	170.8	187.5	192.7	197.6	423.2	4
	A	172.4	276.6	198.0	100.6	738.5	170.1	184.6	215.2	221.8	428.0	2
	S	182.4	293.0	209.7	100.7	772.7	171.8	200.7	229.7	235.0	457.2	3
	O	183.8	285.1	210.3	105.3	749.5	184.1	203.1	236.1	243.1	426.5	6
	N	184.9	286.1	195.6	107.5	410.6	182.2	213.8	240.4	252.6	477.7	6
	D	173.8	267.8	177.2	106.4	316.3	165.3	188.0	206.4	214.1	484.2	5
1962	J	173.3	275.1	180.9	100.6	326.8	153.6	194.8	194.1	208.5	516.0	4
	F	181.9	279.5	180.1	102.5	294.5	164.4	185.7	212.4	236.0	522.9	4
	M	182.4	277.9	180.8	102.6	317.2	169.1	198.7	224.8	248.9	507.2	4
	A	180.2	267.3	186.7	107.3	453.1	160.9	182.8	224.2	238.1	441.0	1
	M	188.4	290.4	207.9	98.9	822.0	170.1	190.1	225.6	238.9	459.2	6
	J	194.8	293.3	220.0	97.5	956.2	188.2	177.9	236.2	244.2	432.6	6
	J	182.0	295.2	213.8	98.1	951.8	181.8	174.5	209.8	212.6	458.8	4
	A	183.5	301.9	216.3	96.2	944.3	197.5	183.9	234.0	245.6	467.2	3
	S	193.6	305.3	212.5	100.6	885.4	190.9	182.6	238.6	242.8	490.2	4
	O	195.4	300.1	204.3	100.1	804.3	174.7	153.2	246.1	252.4	485.0	4
	N	194.6	288.5	190.5	99.9	448.0	193.7	197.1	233.9	243.0	483.7	4
	D	182.2	274.2	179.0	97.2	386.0	174.9	189.5	190.7	197.7	505.5	4
1963	J	182.6	278.0	169.7	94.2	325.4	158.1	166.6	201.0	216.4	543.2	4
	F	190.7	286.5	176.0	98.7	356.1	158.0	176.7	203.1	220.3	557.6	4
	M	192.0	286.4	181.2	95.6	437.5	167.4	177.1	210.1	228.3	541.0	4
	A	189.3	272.6	190.4	98.0	540.3	169.0	183.3	207.1	223.6	462.1	4
	M	197.2	296.2	205.7	99.0	831.3	164.9	184.1	234.9	242.6	482.5	4
	J	203.6	304.0	211.1	99.3	886.4	187.0	167.2	231.5	231.7	494.0	4
	J	183.0	280.7	182.3	87.1	737.7	162.5	133.7	201.2	206.0	481.9	4
	A	190.3	294.8	197.8	93.5	822.7	179.3	168.6	244.1	256.9	486.0	4
	S	204.8	318.4	219.5	98.3	1,034.2	193.6	173.2	251.7	264.1	513.5	4
	O	207.6	311.4	206.7	97.0	807.1	190.1	170.5	256.4	264.3	518.1	4
	N	210.8	306.7	201.7	96.5	663.3	195.9	170.2	274.4	288.6	522.1	4
	D	199.1	296.7	183.7	88.8	607.1	162.4	175.6	221.9	225.8	561.1	4
1964	J	202.3	326.3	200.4	89.8	472.4	176.7	163.0	270.0	221.4	620.5	4
	F	211.7	320.2	202.5	89.3	549.2	171.1	184.6	291.3	242.9	584.7	4
	M	209.0	307.3	191.5	90.9	614.3	179.5	170.8	297.7	246.8	559.8	4
	A	212.0	309.7	215.6	96.0	736.9	176.9	185.6	325.8	272.1	498.6	4
	M	213.1	328.4	221.2	88.9	1,043.3	180.9	193.0	329.4	264.5	533.8	4
	J	220.5	345.5	236.0	89.3	1,077.3	198.3	182.1	329.5	266.4	548.4	4
	J	197.8	320.7	203.6	90.1	986.5	183.0	162.1	310.0	244.7	534.5	4
	A	207.9	324.5	219.9	92.6	1,042.0	199.4	168.4	323.7	257.9	512.2	4
	S	220.8	335.6	220.7	89.7	1,156.2	178.8	161.3	351.7	262.6	539.8	4
	O	222.8	340.3	221.3	91.3	1,040.4	189.9	185.9	363.5	283.9	549.4	4
	N	228.0	340.2	210.2	98.2	719.0	211.9	201.8	379.7	302.1	576.5	4
	D	213.2	319.7	185.4	85.7	573.4	190.2	215.9	326.8	253.1	598.6	4

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

	Mining		Manufacturing total	Non-durable manufacturing						
	Fuels			Non-durable manufacturing total	Foods and beverages total	Foods				
	Natural gas	Petroleum				Total	Meat products	Dairy products	Canning and processing	Grain mill products
Without seasonal adjustment										
.....	703.1	1,022.6	146.5	144.0	124.9	128.2	177.6	118.6	68.4	125.5
.....	697.2	947.7	149.4	148.3	128.4	127.5	159.3	128.0	73.1	127.0
.....	697.8	970.5	150.9	149.2	130.4	127.4	158.9	133.9	63.9	131.0
.....	553.5	846.8	147.5	146.8	136.3	131.7	161.2	147.2	73.5	130.1
.....	500.7	931.1	152.9	152.3	153.0	145.6	157.8	173.8	123.7	132.8
.....	463.5	912.8	156.6	156.3	160.8	153.0	146.8	197.2	148.4	133.7
.....	431.0	936.0	143.6	146.4	162.3	160.5	147.7	178.6	228.3	128.8
.....	436.7	863.4	145.3	153.9	167.0	162.1	147.4	172.9	242.6	130.8
.....	485.3	895.0	151.9	159.7	168.2	167.7	153.7	166.9	250.1	140.9
.....	571.9	811.0	154.4	161.6	172.9	168.8	163.5	151.6	236.2	141.9
.....	690.4	865.3	152.5	158.9	162.0	156.3	168.6	134.4	159.7	141.3
.....	839.5	916.6	139.9	143.6	136.7	136.5	135.8	130.4	126.3	126.7
.....	854.1	980.2	138.6	142.1	122.6	126.4	150.9	121.3	72.7	127.7
.....	816.0	1,012.7	145.0	148.8	129.9	129.4	146.1	130.1	76.9	134.4
.....	780.3	910.7	146.3	149.5	132.6	129.8	145.9	146.3	68.1	135.2
.....	698.2	968.9	147.9	152.2	140.9	136.1	164.1	149.2	70.0	138.9
.....	613.1	1,049.8	152.3	154.7	147.4	143.5	149.6	170.1	98.4	140.5
.....	557.9	1,029.1	161.6	163.2	167.6	161.5	155.1	204.0	158.7	140.5
.....	521.8	1,057.8	149.7	153.7	172.7	168.7	155.3	189.1	258.4	141.2
.....	553.9	1,093.4	153.4	161.3	172.4	168.1	153.6	179.2	257.3	141.0
.....	601.8	1,124.8	162.3	168.0	174.4	171.7	168.9	174.4	251.8	139.1
.....	686.0	1,011.5	163.9	168.4	175.5	174.3	178.2	157.7	236.9	139.8
.....	836.0	1,139.4	163.6	167.5	168.3	161.5	183.4	140.8	163.1	147.6
.....	1,024.7	1,146.7	151.6	154.2	145.6	143.2	145.5	137.7	132.7	136.7
.....	1,117.1	1,226.2	148.9	150.5	128.3	131.5	163.6	123.9	76.9	134.8
.....	1,190.2	1,246.1	158.2	159.0	134.6	133.4	160.7	133.0	83.2	135.7
.....	1,080.0	1,214.9	160.1	160.3	139.9	134.9	165.1	143.6	74.3	139.7
.....	930.9	1,070.4	160.1	159.9	145.5	138.9	160.6	157.7	77.5	130.5
.....	882.5	1,114.4	167.8	165.3	159.5	151.6	157.5	172.7	125.9	136.3
.....	849.8	1,043.8	176.1	173.0	177.6	164.7	154.4	206.7	159.1	147.9
.....	829.0	1,116.6	162.3	161.0	173.1	170.4	145.5	186.1	270.8	138.9
.....	866.4	1,161.8	162.3	167.4	173.4	173.4	150.6	177.8	284.6	134.2
.....	936.4	1,188.9	173.5	175.0	178.4	175.7	160.6	178.7	267.6	141.1
.....	1,020.2	1,146.4	175.2	174.6	175.7	175.7	169.1	152.5	245.5	138.7
.....	1,122.4	1,131.9	173.7	173.1	168.8	162.7	169.1	141.2	168.3	140.8
.....	1,243.7	1,186.7	160.3	158.5	149.2	144.9	144.0	138.2	142.2	131.7
.....	1,371.3	1,264.0	158.2	153.8	129.7	133.0	156.1	131.1	83.7	134.2
.....	1,395.9	1,306.0	166.3	162.6	139.5	138.6	159.9	137.7	96.0	143.4
.....	1,235.8	1,298.0	169.4	168.4	144.8	138.9	161.8	147.4	88.0	143.6
.....	1,149.1	1,088.0	168.9	165.8	146.8	140.0	160.6	158.7	86.8	135.4
.....	1,060.5	1,152.1	176.2	171.4	159.0	151.7	164.7	172.9	132.7	139.9
.....	993.6	1,200.6	184.0	178.2	178.7	165.8	158.2	212.3	177.2	148.2
.....	971.3	1,168.8	163.5	162.1	167.4	160.6	148.5	190.7	206.3	131.0
.....	984.4	1,198.7	170.0	179.1	183.5	175.2	154.9	182.8	273.7	141.3
.....	1,087.9	1,228.1	183.3	185.0	180.4	178.2	171.4	181.1	259.7	149.8
.....	1,145.2	1,227.1	186.1	187.1	184.1	183.4	178.6	159.8	266.2	157.9
.....	1,330.6	1,212.5	187.6	184.2	178.3	169.6	190.6	143.2	179.4	167.2
.....	1,432.4	1,315.0	173.4	169.2	153.5	151.9	157.6	144.0	134.7	158.9
.....	1,500.6	1,468.0	172.8	165.0	138.6	143.5	178.2	134.6	77.7	186.1
.....	1,532.2	1,372.3	185.0	179.4	153.0	148.7	178.4	141.3	100.0	189.9
.....	1,456.7	1,317.4	184.2	178.0	149.8	144.4	166.3	154.4	86.3	189.8
.....	1,382.6	1,158.4	188.0	181.5	159.7	152.6	181.0	166.2	91.7	179.7
.....	1,253.5	1,275.5	189.7	180.9	171.1	163.9	172.7	191.2	140.2	183.4
.....	1,196.8	1,311.5	196.7	189.1	187.2	177.1	175.5	216.6	176.0	185.7
.....	1,199.9	1,276.3	174.3	171.9	182.4	179.3	166.2	195.1	261.8	168.3
.....	1,193.7	1,244.7	185.6	189.8	192.0	187.0	177.4	188.5	276.6	182.8
.....	1,228.5	1,279.9	197.9	196.8	189.9	188.8	190.2	183.5	270.9	178.5
.....	1,395.1	1,279.7	198.2	199.0	198.3	198.2	196.0	166.9	271.8	184.8
.....	1,483.7	1,340.4	202.1	199.4	193.7	185.4	207.4	154.0	192.4	186.7
.....	1,763.4	1,377.2	184.6	182.7	173.7	170.7	203.7	142.8	154.3	174.8

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

Non-durable manufacturing											
		Foods		Beverages			Tobacco and tobacco products	Rubber products	Leather products		
		Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries			Distilleries	Total	Boots and shoes
Without seasonal adjustment											
1960	J	135.2	132.5	114.5	127.3	96.6	140.9	171.5	158.0	116.4	131.8
	F	133.4	135.2	131.2	135.9	116.0	162.5	178.0	170.6	126.1	141.4
	M	134.6	134.4	140.0	128.8	145.9	142.7	182.4	158.8	123.8	141.4
	A	138.6	132.6	150.8	135.1	156.4	160.1	168.9	143.6	115.6	131.8
	M	142.7	139.6	176.3	175.4	173.2	190.6	186.6	135.1	104.1	111.1
	J	142.2	143.2	185.4	175.6	182.4	210.9	200.8	154.4	105.5	111.1
	J	153.8	129.6	167.9	202.3	173.8	120.9	135.0	121.6	78.6	71.7
	A	152.1	131.8	182.5	199.6	153.5	231.0	183.3	109.6	114.1	121.4
	S	150.8	148.1	169.9	164.0	132.3	245.9	202.7	148.3	122.5	131.8
	O	149.4	167.9	186.0	162.7	144.4	302.2	195.2	142.2	115.2	121.4
1961	J	147.6	176.1	179.8	153.7	152.4	278.1	196.7	152.6	114.9	121.4
	N	142.4	143.2	137.5	143.4	129.6	151.3	182.6	125.3	105.0	101.1
	D										
	J	138.4	137.8	110.6	136.8	87.1	134.3	177.4	124.1	115.0	121.4
	F	137.4	142.2	131.6	133.7	117.2	164.8	193.8	134.8	132.2	141.4
	M	139.8	137.8	141.5	119.4	145.7	160.2	186.3	136.9	131.9	151.1
	A	145.5	141.7	155.9	147.9	156.0	168.6	194.5	143.7	130.9	141.4
	M	149.4	148.5	159.7	141.5	162.9	174.0	196.5	142.5	120.1	121.4
	J	160.0	149.7	187.0	194.6	180.0	201.1	231.3	161.7	125.6	131.8
	J	156.6	122.9	185.1	235.1	177.7	152.4	148.9	132.4	91.3	91.3
1962	A	153.0	133.2	185.9	225.8	161.4	204.0	197.3	117.1	125.6	121.4
	S	152.5	146.8	182.8	187.8	145.0	253.0	204.7	164.1	133.0	141.4
	O	155.2	172.2	179.5	144.4	147.2	286.1	207.7	167.8	128.7	131.8
	N	153.3	172.2	190.7	151.8	156.3	320.3	209.1	167.5	132.0	121.4
	D	148.7	151.6	153.3	168.6	135.0	182.0	175.9	155.8	118.9	121.4
	J	133.7	146.9	118.3	129.8	85.7	180.5	195.2	145.1	130.5	141.4
	F	133.1	146.9	138.5	145.8	123.1	169.4	204.1	167.3	140.6	151.1
	M	135.9	144.3	155.6	138.5	150.1	193.6	207.7	160.2	140.5	151.1
	A	142.8	153.3	166.3	143.5	173.6	182.7	198.7	162.7	133.0	141.4
	M	147.9	162.1	184.2	185.7	184.0	190.0	210.0	166.4	123.4	141.4
1963	J	155.4	164.1	218.3	224.0	203.4	256.0	236.9	192.5	129.3	141.4
	J	151.9	138.2	181.8	221.6	196.0	110.6	157.5	147.9	93.6	141.4
	A	150.0	148.4	186.2	210.4	156.2	232.9	201.7	125.9	128.2	141.4
	S	149.7	160.1	186.7	200.2	146.1	250.4	216.2	196.1	130.2	141.4
	O	151.6	188.6	175.9	132.8	146.2	293.9	212.4	186.9	126.4	141.4
	N	148.5	186.1	188.0	163.1	157.1	290.9	220.3	195.5	130.0	141.4
	D	144.2	160.6	163.0	180.0	154.0	168.8	184.2	164.8	114.8	141.4
	J	132.2	152.0	119.1	143.6	86.0	167.5	195.8	170.4	130.7	141.4
	F	130.8	158.1	142.0	137.1	127.6	183.3	224.6	202.1	139.7	151.1
	M	129.6	157.4	163.5	136.6	160.5	206.5	219.0	204.9	139.2	151.1
1964	A	135.0	155.3	168.3	167.7	168.1	175.9	210.6	183.3	129.5	151.1
	M	139.2	157.1	182.0	179.4	173.2	211.5	223.7	193.5	123.2	151.1
	J	145.5	157.5	219.0	231.5	207.3	241.5	238.8	225.4	129.9	151.1
	J	145.9	143.2	189.1	229.8	199.2	127.3	169.8	155.3	88.2	151.1
	A	145.9	157.9	210.0	239.0	173.5	268.9	204.2	150.6	127.9	151.1
	S	143.7	167.5	187.4	182.3	155.9	251.4	192.3	200.0	132.5	151.1
	O	141.4	195.7	186.4	150.2	146.3	315.5	205.4	201.1	129.8	151.1
	N	139.8	193.0	205.8	180.6	170.2	323.6	219.4	211.4	135.1	151.1
	D	136.1	177.2	158.5	166.6	151.4	170.4	188.2	188.0	118.2	151.1
	J	132.1	157.4	123.1	138.6	84.2	193.7	199.6	186.4	128.7	151.1
1965	F	131.5	159.5	166.6	159.5	152.0	214.3	203.5	242.7	146.2	151.1
	M	131.3	149.2	167.1	137.9	176.2	185.3	183.6	218.2	142.1	151.1
	A	141.2	159.9	181.8	173.0	179.3	205.1	211.5	227.7	136.6	151.1
	M	145.0	160.7	193.9	181.0	185.5	236.6	218.3	213.2	131.1	151.1
	J	152.9	167.3	219.2	213.6	213.3	249.8	249.9	250.3	132.0	151.1
	J	156.6	143.0	192.3	243.7	196.8	129.4	166.1	162.5	95.5	151.1
	A	154.1	159.1	208.0	223.5	181.8	258.4	230.5	159.9	135.7	151.1
	S	153.9	167.4	193.4	192.0	147.2	287.9	236.6	237.0	135.5	151.1
	O	160.8	210.4	198.6	153.5	152.3	358.1	233.3	216.3	131.6	151.1
	N	159.1	208.4	219.9	179.8	185.4	352.9	236.2	237.3	133.8	151.1
D	153.6	189.4	183.2	176.3	164.7	238.7	199.1	213.6	122.2	151.1	

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

Non-durable manufacturing								
Textiles				Clothing total ¹	Paper products		Printing, publishing and allied industries	
Total	Cotton goods	Wool goods	Synthetic textiles and silk		Total	Pulp and paper		
Without seasonal adjustment								
	125.2	87.5	87.2	192.1	111.0	140.5	141.0	143.0
	130.5	93.8	85.3	206.6	117.1	145.5	146.1	149.0
	135.7	100.7	89.3	215.8	117.3	147.3	150.3	145.7
	124.7	92.9	78.4	191.6	107.3	145.1	145.8	143.4
	123.1	92.5	68.7	193.3	102.1	151.9	152.2	148.3
	126.2	88.9	78.4	203.3	100.0	150.9	150.2	148.3
	90.4	56.7	53.0	126.3	100.1	146.0	143.3	138.3
	114.2	84.4	80.0	164.9	108.4	150.2	148.3	136.6
	123.0	90.6	81.9	186.5	112.8	150.6	148.5	147.1
	127.5	96.4	84.5	192.5	109.1	156.3	155.6	152.7
	127.1	98.8	81.1	190.2	107.8	158.5	160.1	156.6
	122.2	91.6	74.6	187.7	101.8	138.2	136.6	146.3
	124.7	94.2	70.5	199.0	107.6	141.6	142.5	142.6
	133.7	99.2	78.8	220.8	113.8	147.7	151.5	144.7
	134.9	97.3	80.5	225.0	113.7	148.3	151.1	151.4
	130.8	95.8	79.3	211.6	104.4	152.1	153.1	148.3
	132.6	99.2	74.2	217.0	101.0	155.5	155.8	149.5
	142.4	98.1	94.6	239.3	101.4	157.5	154.6	143.3
	108.8	68.0	67.0	169.2	102.4	152.2	148.6	138.8
	128.9	95.2	76.0	207.0	107.1	156.3	152.6	141.3
	144.5	107.6	90.6	236.9	114.0	155.9	154.7	153.3
	144.4	114.8	85.1	229.5	108.9	163.1	162.7	157.1
	146.8	113.4	88.5	236.7	108.0	163.4	164.1	156.5
	142.4	102.6	78.2	242.0	102.4	146.8	145.4	151.5
	139.2	104.9	71.0	233.9	107.1	146.8	147.4	143.1
	153.6	118.1	81.8	264.7	112.4	155.4	158.3	153.7
	150.4	118.6	76.7	255.1	114.5	158.3	159.7	157.5
	142.1	114.0	89.6	218.9	106.6	157.9	157.4	155.2
	148.8	111.0	81.6	251.0	105.1	160.1	160.2	160.1
	155.0	99.9	97.3	272.8	106.9	163.4	161.4	154.0
	120.0	72.3	73.3	188.8	107.0	157.0	153.0	147.6
	134.8	93.0	83.1	213.7	112.9	162.1	159.7	147.5
	154.3	110.3	99.8	251.8	118.8	164.8	163.9	154.8
	155.5	114.1	93.4	253.1	115.5	167.1	167.1	160.1
	159.3	109.7	89.6	274.2	113.8	167.2	168.2	161.6
	145.7	97.2	81.7	245.5	109.7	149.0	146.4	152.5
	148.0	100.4	77.7	261.6	125.8	147.9	146.4	146.1
	159.7	109.0	89.5	287.7	137.8	151.0	151.7	151.2
	162.0	109.6	84.2	298.3	142.6	161.2	163.1	157.4
	155.8	109.0	72.3	283.6	135.0	159.4	159.6	157.3
	159.8	106.2	93.4	285.2	124.3	167.1	167.4	160.0
	169.5	114.2	107.6	301.3	113.5	166.5	164.5	158.3
	119.6	70.8	72.6	190.2	115.8	159.7	156.0	147.3
	154.4	109.4	90.4	263.0	159.9	168.9	166.8	149.9
	170.9	120.9	97.4	301.9	160.0	172.3	171.0	164.2
	173.3	124.0	106.1	298.9	168.9	173.0	172.4	167.4
	172.3	124.0	98.9	298.6	142.8	176.9	178.5	163.5
	169.0	117.3	87.4	302.0	118.0	167.2	167.7	157.2
	164.3	115.5	92.0	283.7	119.7	161.2	161.0	153.4
	177.7	130.4	94.9	314.1	138.8	173.0	173.8	158.7
	173.8	116.9	88.8	319.1	142.3	175.8	177.2	163.3
	183.0	139.0	100.5	318.8	128.7	179.8	183.0	174.5
	171.3	118.9	93.1	302.5	110.9	176.0	178.2	180.3
	181.9	120.7	95.0	338.7	112.0	178.4	178.3	169.3
	134.1	81.1	73.1	223.2	118.2	173.0	172.1	150.6
	164.5	121.9	81.8	283.4	163.0	184.4	185.6	147.3
	180.3	128.1	92.1	323.8	163.5	185.1	185.0	167.9
	179.4	128.8	97.4	314.6	162.6	188.7	189.2	177.1
	184.5	130.7	89.9	337.4	152.5	194.3	197.3	173.1
	171.6	109.7	79.3	322.8	116.8	178.5	178.9	159.5

Explanation of the discontinuity in the clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

		Non-durable manufacturing					Durable manufacturing			
		Products of petroleum and coal		Chemicals		Miscellaneous manufacturing	Durable manufacturing total	Wood products		
		Total	Petroleum Products	Total	Acids, alkalies, salts and fertilizers			Total	Saw and planing mills	Veneers and plywood
Without seasonal adjustment										
1960	J	261.0	280.6	213.7	257.2	181.0	149.6	133.0	138.8	287.0
	F	254.6	273.3	214.2	252.7	181.2	150.7	141.2	151.4	316.0
	M	248.1	264.9	217.0	249.9	184.4	152.9	140.7	150.7	317.0
	A	229.0	243.9	223.9	259.8	186.6	148.3	124.1	126.2	295.0
	M	243.7	261.4	226.1	270.9	185.4	153.6	138.3	146.5	308.0
	J	258.9	279.9	230.4	270.4	186.8	156.9	153.8	167.8	293.0
	J	257.9	279.0	215.5	268.5	189.1	140.4	141.4	148.3	181.0
	A	254.3	274.7	218.9	265.4	192.5	135.2	146.5	153.9	222.0
	S	252.2	272.4	230.9	263.5	199.3	142.8	141.6	145.5	243.0
	O	244.8	263.6	227.6	261.4	205.4	146.0	133.1	133.5	240.0
	N	254.0	274.7	215.5	255.9	207.4	145.0	119.7	116.0	258.0
	D	248.3	269.0	203.0	254.1	200.3	135.6	118.2	116.1	238.0
1961	J	249.8	270.6	213.4	253.3	192.6	134.4	123.4	126.0	242.0
	F	253.2	273.9	217.7	251.7	194.4	140.6	135.6	145.0	266.0
	M	243.7	262.4	212.9	252.7	195.0	142.5	139.0	150.2	294.0
	A	249.7	268.3	225.2	259.3	197.3	143.0	125.0	129.1	290.0
	M	257.1	276.5	228.1	271.2	201.7	149.6	137.3	145.4	315.0
	J	262.3	282.0	234.7	268.8	207.5	159.8	156.8	172.0	327.0
	J	232.3	248.2	217.9	257.5	211.3	145.0	150.3	161.4	267.0
	A	282.8	305.7	222.3	254.3	217.3	144.2	151.5	161.6	318.0
	S	281.3	303.8	229.3	254.1	227.8	155.6	152.3	160.8	330.0
	O	253.3	272.6	226.9	253.4	236.5	158.5	141.3	144.4	293.0
	N	272.2	293.6	223.6	252.8	241.0	159.2	132.9	132.9	309.0
	D	267.9	289.8	212.7	257.5	233.5	148.6	130.2	131.1	286.0
1962	J	275.6	298.5	222.8	261.7	224.6	147.1	134.6	140.6	290.0
	F	283.7	307.4	231.7	261.2	223.8	157.3	151.9	165.2	343.0
	M	260.1	280.0	232.4	259.6	226.1	159.9	154.0	168.0	333.0
	A	246.5	264.8	241.8	271.9	226.8	160.3	137.6	143.6	333.0
	M	260.5	280.4	243.5	290.4	227.2	170.6	149.7	160.2	333.0
	J	254.8	273.3	250.8	288.1	232.6	179.8	168.6	185.9	343.0
	J	254.2	272.8	233.7	281.0	235.7	163.8	159.0	170.6	311.0
	A	285.2	307.0	231.1	264.1	241.4	156.4	161.7	173.5	299.0
	S	286.6	309.4	235.1	249.0	249.9	171.7	167.5	180.3	329.0
	O	291.9	315.8	232.7	253.1	255.4	175.8	153.6	160.1	333.0
	N	286.9	310.8	227.3	254.6	256.9	174.5	141.4	143.7	333.0
	D	287.1	311.3	215.9	257.5	245.9	162.4	138.8	141.9	333.0
1963	J	288.9	312.6	222.9	256.7	234.0	163.4	142.9	150.1	333.0
	F	286.9	309.3	234.8	273.2	233.1	170.7	163.4	181.5	373.0
	M	297.7	321.6	244.8	299.6	235.5	170.6	161.7	179.3	353.0
	A	275.9	296.8	249.5	311.8	237.6	172.6	142.1	150.4	353.0
	M	273.0	293.7	261.5	325.5	241.6	181.9	157.2	171.5	353.0
	J	281.6	303.3	266.9	318.6	245.5	190.7	179.2	202.6	363.0
	J	297.8	321.7	245.7	309.9	245.4	165.2	164.0	179.5	303.0
	A	302.9	327.5	250.4	304.1	249.7	159.3	167.7	182.8	323.0
	S	327.1	354.9	255.1	305.2	258.5	181.4	171.0	185.5	393.0
	O	306.1	331.1	254.6	306.2	263.0	184.8	162.0	172.7	363.0
	N	306.7	331.8	258.5	308.7	262.8	191.5	150.7	157.2	363.0
	D	307.4	332.5	244.9	304.3	252.5	178.4	146.6	152.4	373.0
1964	J	305.5	338.6	259.2	300.5	244.5	181.9	156.8	169.1	363.0
	F	316.8	343.2	278.0	338.3	247.9	191.5	175.6	197.0	423.0
	M	296.5	320.3	283.0	339.8	250.2	191.4	172.4	192.2	423.0
	A	283.3	305.5	278.6	340.3	249.4	195.5	155.7	167.9	423.0
	M	279.7	301.0	280.4	335.3	254.0	200.1	161.8	175.9	393.0
	J	307.9	332.7	285.0	319.9	260.7	205.7	169.6	186.4	393.0
	J	303.3	328.0	247.8	264.3	262.0	177.0	165.1	184.6	393.0
	A	317.0	343.2	275.5	309.4	268.9	180.6	178.9	198.0	393.0
	S	303.8	328.3	293.3	360.4	278.3	199.2	174.5	189.7	423.0
	O	298.3	322.0	289.4	346.9	281.4	197.3	167.8	179.2	423.0
	N	312.9	338.6	292.4	361.2	278.5	205.2	157.4	164.2	423.0
	D	325.3	353.1	285.3	364.4	266.9	186.8	145.5	147.9	393.0

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

Durable manufacturing										
Wood products		Iron and steel products					Transportation equipment			
Sawmills	Furniture	Total	Machinery	Iron castings	Primary iron and steel	Sheet metal products	Total	Aircraft and parts	Motor vehicles	
Without seasonal adjustment										
J	126.5	138.1	144.7	137.8	178.2	180.4	133.6	149.9	238.6	204.9
F	142.4	136.3	142.7	135.5	148.3	183.7	130.9	144.3	233.9	187.4
M	141.7	135.3	143.9	135.9	156.0	186.5	132.6	152.8	232.6	207.8
A	109.8	135.3	139.6	137.7	140.8	168.8	136.8	154.5	236.1	209.3
M	136.9	135.3	141.2	137.9	142.1	164.9	143.6	156.1	236.5	214.7
J	167.3	137.0	142.2	137.8	136.4	161.5	150.9	147.7	234.6	198.1
J	151.7	139.9	127.0	137.8	97.4	140.2	152.9	112.3	226.6	119.8
A	154.2	146.0	131.0	135.2	103.5	143.8	153.8	70.8	225.7	22.7
S	139.5	150.7	136.0	132.5	142.5	161.0	155.8	96.6	236.7	84.0
D	123.3	151.2	136.8	132.7	149.9	166.4	151.3	117.3	245.6	133.2
N	96.8	148.0	137.5	131.7	193.2	159.4	144.3	129.6	253.5	164.7
O	102.1	142.1	125.4	128.8	184.8	128.5	135.4	127.9	260.9	160.8
	118.0	136.4	125.3	125.7	172.8	141.1	128.6	126.7	266.6	156.9
	141.9	132.8	129.8	125.4	171.3	152.7	127.7	134.2	271.5	173.0
	145.6	131.5	135.1	127.9	179.7	162.8	129.2	132.4	272.2	166.7
	114.7	132.7	135.5	130.1	147.3	169.4	134.4	139.7	268.5	186.8
	132.4	136.5	140.0	131.6	128.5	189.3	139.7	139.5	266.8	187.3
	164.7	141.1	149.0	133.5	164.3	194.2	147.6	146.6	267.3	198.1
	153.7	144.1	136.7	135.4	117.6	176.5	152.2	111.9	262.4	111.4
	146.7	150.2	147.8	136.7	166.4	186.7	152.4	80.7	258.7	31.7
	143.9	156.2	152.6	138.5	170.8	191.4	153.1	111.4	263.1	108.0
	126.4	156.7	147.7	139.8	147.9	188.9	148.8	135.2	272.2	166.7
	109.7	155.1	143.2	138.8	124.4	179.9	142.3	153.1	280.5	210.2
	111.8	150.3	130.4	137.6	111.5	155.3	136.5	145.9	286.9	191.3
	127.1	145.5	131.1	136.6	91.2	168.3	134.8	143.9	287.5	185.0
	158.2	143.2	141.7	137.2	128.0	184.0	136.5	156.4	284.0	213.1
	163.1	143.2	144.4	140.5	144.3	178.2	140.4	161.5	280.0	220.6
	127.4	143.9	146.6	143.0	142.7	188.0	145.6	170.2	269.2	239.5
	150.5	146.5	154.5	145.3	150.7	205.4	153.8	181.5	262.9	265.4
	181.8	150.5	163.4	147.9	166.8	214.9	167.3	182.2	263.1	266.9
	160.5	153.4	150.8	147.9	129.5	194.5	174.9	141.9	256.6	175.9
	166.8	157.6	158.9	151.4	136.2	206.9	179.0	85.1	252.4	26.0
	169.1	163.9	165.9	158.0	163.2	200.3	179.0	138.6	253.2	159.2
	143.8	164.7	160.9	161.5	136.6	192.8	169.4	165.7	245.8	225.2
	123.1	160.8	160.9	160.8	137.2	206.4	158.8	180.2	235.4	261.6
	123.3	156.4	145.5	158.7	99.8	176.7	147.9	172.9	229.4	243.9
	137.1	150.6	146.1	155.6	125.8	189.8	144.2	183.4	229.9	270.1
	177.6	146.2	155.7	154.4	159.9	205.9	146.3	183.9	232.9	269.2
	176.4	145.1	158.8	154.9	175.4	207.2	148.8	180.5	230.0	258.8
	135.0	145.2	159.7	157.0	165.5	213.5	152.2	197.8	225.9	299.0
	164.5	146.5	166.6	160.0	165.2	225.5	157.9	203.1	227.6	308.4
	205.2	148.5	173.5	162.0	182.0	230.7	166.0	208.3	227.3	324.5
	177.1	150.9	154.6	162.1	120.7	208.2	168.8	142.4	220.2	170.1
	178.2	157.1	160.4	160.8	140.8	211.1	169.5	88.9	222.6	36.6
	173.2	163.3	170.1	162.3	148.4	228.4	167.0	157.6	233.8	199.6
	156.8	163.2	169.5	165.1	149.5	227.9	159.7	185.9	244.3	262.2
	134.8	161.2	170.3	165.0	150.8	243.6	154.6	227.9	252.6	362.4
	131.2	158.4	155.8	163.6	129.1	210.8	147.7	217.2	258.5	330.2
	153.6	153.2	162.6	163.9	164.3	220.5	145.9	219.6	263.8	333.3
	190.9	151.1	172.1	165.8	176.2	229.2	149.7	224.9	264.9	347.7
	184.4	151.1	176.6	168.1	173.1	236.0	152.9	221.8	263.8	341.3
	149.7	150.9	182.9	171.3	198.5	257.2	154.9	234.2	265.0	368.7
	165.5	152.9	187.7	174.7	217.1	258.4	159.9	234.9	269.6	364.2
	177.9	154.4	188.7	179.7	212.7	255.8	172.3	239.6	276.2	374.3
	171.7	154.8	174.9	181.9	167.5	232.1	172.4	141.4	275.0	129.7
	194.8	159.8	183.9	183.4	180.0	240.7	174.3	117.1	274.0	68.0
	180.3	165.7	189.3	185.7	183.0	247.3	177.1	189.6	274.4	247.5
	165.9	167.9	191.4	189.9	164.0	257.3	174.9	171.2	273.3	203.5
	143.8	167.9	195.2	192.7	175.3	261.9	171.1	213.3	275.6	309.1
	125.0	165.3	183.3	192.8	157.0	242.3	166.2	174.2	275.6	225.5

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Continued

		Durable manufacturing									
		Transportation equipment			Non-ferrous metal products			Electrical apparatus and supplies			
		Motor vehicle parts	Railway rolling stock	Ship-building and repairs	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances
Without seasonal adjustment											
1960	J	133.6	53.8	134.8	139.1	114.4	155.4	186.5	138.8	406.6	18
	F	138.0	52.1	144.6	147.3	116.0	168.1	189.4	136.5	432.6	20
	M	134.8	52.0	155.9	149.8	117.0	171.4	186.3	136.9	403.0	21
	A	133.6	53.4	161.6	148.2	116.8	169.0	179.9	137.2	358.9	20
	M	133.3	54.0	156.8	145.9	115.5	165.2	179.2	137.2	375.5	18
	J	127.4	54.5	150.2	150.5	114.8	172.3	180.3	138.0	382.9	18
	J	107.1	53.8	147.1	146.5	116.0	166.1	168.9	138.4	304.6	16
	A	95.5	51.1	140.8	150.2	116.9	170.9	174.1	137.2	381.7	14
	S	107.3	49.2	135.9	151.3	115.2	172.5	187.0	136.3	469.6	16
	O	114.8	48.5	133.1	151.0	113.8	171.3	185.5	133.4	466.1	16
	N	113.8	47.1	130.2	151.2	113.7	171.7	178.4	128.8	439.2	15
	D	114.0	44.8	127.2	148.7	111.7	169.9	166.5	124.8	363.0	14
1961	J	115.0	43.7	125.3	145.3	111.5	165.7	163.9	122.2	359.6	13
	F	116.4	43.0	133.8	146.9	114.1	168.0	170.2	121.4	426.4	20
	M	117.8	42.2	138.4	146.2	115.0	166.8	166.7	122.3	361.7	17
	A	119.5	41.9	132.1	147.3	115.9	167.2	165.2	124.6	321.3	17
	M	122.5	41.4	124.5	149.5	118.3	171.1	166.6	127.5	339.4	10
	J	123.3	41.9	154.2	146.9	121.8	165.5	179.8	131.7	392.2	13
	J	119.7	44.0	153.4	137.3	124.4	149.9	172.7	134.3	356.5	1
	A	120.2	45.0	152.5	140.6	127.0	153.5	182.4	135.7	428.4	1
	S	121.8	44.0	157.6	146.9	131.2	160.6	204.0	138.5	532.0	1
	O	123.9	43.1	158.4	152.8	132.1	168.9	206.9	142.3	549.4	1
	N	127.3	42.4	157.4	158.2	129.2	177.9	210.1	142.1	551.7	1
	D	127.7	41.6	154.7	153.0	126.2	171.9	203.4	141.7	528.0	1
1962	J	130.4	41.0	155.6	151.0	124.5	170.4	199.5	140.4	493.3	1
	F	133.7	40.9	167.5	150.8	124.3	170.1	205.5	138.6	540.0	1
	M	139.4	41.2	180.4	150.1	126.7	167.8	204.8	139.6	526.0	1
	A	147.7	41.5	186.2	148.0	127.8	164.3	201.0	141.8	473.2	1
	M	152.3	41.9	191.8	153.0	128.0	171.1	200.5	144.6	454.4	1
	J	148.8	42.2	198.9	148.7	128.6	163.3	214.4	150.0	508.0	2
	J	126.5	42.2	195.3	147.4	128.8	160.4	199.8	152.6	417.5	1
	A	140.4	41.7	193.3	148.8	130.2	162.0	213.1	152.8	518.1	1
	S	146.6	42.2	196.4	147.4	129.4	159.9	227.5	157.5	555.3	2
	O	157.3	41.8	197.1	145.9	126.8	157.3	238.4	160.4	674.9	2
	N	166.1	40.9	193.2	148.8	124.4	162.6	232.5	159.9	620.1	2
	D	169.5	40.9	187.2	146.8	123.1	161.3	217.2	159.4	508.3	2
1963	J	169.9	40.0	190.9	147.4	123.4	163.9	211.8	156.4	477.2	2
	F	171.1	39.4	197.3	147.1	124.1	163.3	220.6	153.9	551.4	2
	M	172.8	39.0	203.1	145.6	125.3	160.5	216.2	151.7	513.3	2
	A	178.6	38.7	212.4	149.7	127.3	165.7	212.6	150.8	481.4	2
	M	184.8	39.0	215.1	149.8	129.9	164.9	212.9	151.7	473.3	2
	J	181.0	40.0	208.6	147.2	133.3	159.2	223.9	155.2	521.8	2
	J	157.5	40.8	199.1	140.1	137.7	146.5	207.4	156.1	428.1	2
	A	155.1	41.3	187.4	150.3	140.9	161.0	218.1	153.8	538.4	2
	S	178.0	42.6	187.5	152.3	140.8	163.3	240.6	154.5	652.3	2
	O	189.3	44.1	192.8	153.8	139.5	165.8	240.7	155.3	678.5	2
	N	202.0	44.4	189.2	152.6	139.6	163.8	247.3	155.6	687.1	2
	D	214.0	43.9	182.7	150.2	139.0	160.8	229.5	156.5	559.7	2
1964	J	218.9	43.9	181.7	153.2	140.4	165.8	225.9	155.3	556.6	2
	F	217.8	44.9	178.5	158.0	143.9	172.5	229.5	154.4	577.1	2
	M	216.6	45.6	175.0	158.1	145.6	172.0	225.8	155.1	530.8	2
	A	222.3	45.5	180.6	163.3	146.4	179.6	227.3	156.7	517.4	2
	M	227.8	46.3	190.2	162.2	150.3	176.5	227.8	158.4	520.2	2
	J	223.1	47.7	199.1	164.6	153.2	179.2	234.3	160.7	511.9	2
	J	211.2	48.5	193.9	156.3	151.0	167.3	218.9	161.4	415.1	2
	A	215.0	48.2	185.2	157.3	149.4	168.5	239.4	161.3	580.9	2
	S	227.5	47.9	186.2	160.4	150.7	171.9	257.9	164.9	654.8	2
	O	214.9	49.2	191.3	168.7	152.5	185.1	265.8	167.1	754.7	2
	N	214.5	50.0	195.2	168.9	154.6	184.1	267.2	167.8	747.0	2
	D	178.2	49.9	193.7	172.5	157.5	189.8	250.8	168.9	641.7	2

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Concluded

Seasonal Adjustment, by Months, Jan. 1960 - Dec. 1964 - Concluded							
	Durable manufacturing				Electric power and gas utilities		
	Non-metallic mineral products						
	Total	Concrete products	Hydraulic cement	Domestic clay products	Total	Electric power	Gas
Without seasonal adjustment							
J	172.0	299.7	101.4	142.7	320.2	296.6	531.5
F	176.1	310.7	124.3	149.4	327.4	300.1	571.8
M	177.9	364.3	131.9	144.1	320.6	295.9	542.6
A	179.5	363.8	150.7	158.2	300.1	283.2	451.5
M	218.5	558.7	221.4	175.6	284.2	279.1	330.1
J	241.1	655.4	270.4	171.2	277.6	279.1	263.7
J	236.3	656.3	262.6	164.3	257.9	263.3	209.1
A	241.4	660.5	281.1	149.7	267.4	271.2	233.2
S	238.3	660.6	261.7	147.6	281.4	284.4	254.3
D	242.0	649.7	275.7	154.0	289.3	286.9	311.2
N	229.6	599.5	222.6	144.3	317.0	302.6	445.9
O	178.1	364.0	141.5	132.4	332.6	306.4	567.3
	161.3	289.3	118.8	97.1	343.9	308.2	664.0
	165.0	380.5	102.5	102.7	348.9	308.0	715.6
	172.7	414.8	125.1	106.2	329.5	299.1	602.5
	191.4	471.3	182.6	129.5	320.6	293.1	568.2
	234.0	666.7	263.7	150.3	309.8	292.6	463.8
	257.7	743.0	307.2	171.8	295.5	287.7	365.9
	249.5	690.5	278.8	170.0	273.8	272.7	283.7
	257.3	741.9	285.9	165.9	281.9	280.6	293.6
	257.5	735.3	286.1	175.9	298.4	294.3	334.9
	262.2	729.7	274.1	172.1	315.1	304.4	411.5
	241.5	618.9	217.0	158.8	339.3	318.0	530.6
	192.4	407.1	133.7	142.6	356.1	323.0	653.3
	171.1	270.2	122.1	115.0	378.0	333.0	781.9
	181.3	329.0	137.3	119.8	383.1	333.1	832.1
	188.5	427.0	156.1	115.6	363.7	322.5	733.6
	209.2	523.9	191.7	132.0	342.5	311.5	620.7
	253.7	742.9	268.7	159.8	331.2	316.0	467.1
	285.1	839.1	339.4	171.9	311.7	303.0	389.6
	284.5	849.9	318.8	163.9	286.3	280.8	335.9
	282.3	899.0	306.1	162.1	301.8	296.1	353.4
	272.5	793.2	324.5	170.2	308.0	297.5	402.1
	292.8	976.9	298.0	162.2	324.4	309.6	457.6
	260.7	763.2	244.5	157.1	357.1	327.0	626.7
	208.6	446.2	196.1	147.8	364.7	327.6	698.5
	183.7	351.0	145.9	106.7	399.9	346.7	876.6
	179.8	350.5	138.1	101.0	406.8	345.4	957.6
	189.5	431.2	148.5	103.9	380.0	332.4	807.4
	208.8	521.0	206.3	117.7	363.7	328.5	679.7
	263.4	786.2	286.2	144.1	351.5	329.1	552.6
	278.0	784.3	335.4	171.5	332.3	318.6	455.2
	273.1	760.2	321.9	158.1	314.4	308.0	371.9
	279.4	787.9	329.2	145.6	321.6	315.5	376.4
	298.5	954.1	318.4	159.6	337.9	327.4	432.3
	283.0	815.9	336.0	155.3	360.0	347.0	476.5
	265.5	749.5	257.6	154.2	406.5	380.2	642.7
	213.2	535.2	128.6	122.8	434.0	391.8	812.0
	199.3	472.4	128.5	95.3	448.6	389.2	981.3
	220.0	560.3	175.9	113.2	441.3	386.1	936.7
	220.4	565.7	179.5	125.7	427.8	377.8	876.6
	243.3	688.8	254.8	146.0	419.7	370.5	861.2
	275.6	859.2	310.8	160.4	374.2	349.2	598.4
	306.6	994.4	350.0	159.4	368.5	346.1	569.3
	305.9	1,000.8	343.5	155.8	347.2	338.3	427.5
	322.3	1,107.0	341.8	162.2	348.6	338.4	439.6
	321.3	1,057.1	350.9	162.3	375.1	359.3	516.6
	328.0	1,069.7	360.2	162.3	400.4	375.5	623.5
	318.3	1,030.2	315.0	165.5	437.1	402.3	748.8
	270.5	789.0	218.6	145.3	478.2	425.3	952.5

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production) by Quarters, 1960-64
(1949 = 100)

	Gross Domestic Product	Agriculture	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
						Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
											Total
Seasonally adjusted											
1960-1	160.0	130.6	163.4	144.4	86.6	260.1	212.1	191.1	376.5	153.6	191.1
2	157.9	128.1	161.5	136.9	112.7	252.3	192.7	196.0	390.2	148.8	191.1
3	157.6	125.4	161.5	149.7	98.2	251.3	195.8	185.9	378.6	147.0	191.1
4	158.5	127.8	162.2	137.3	103.5	248.8	193.3	194.9	372.7	148.4	191.1
1961-1	156.7	110.4	162.2	128.9	141.9	250.9	195.4	210.2	369.2	147.7	191.1
2	160.3	118.5	165.3	130.4	109.0	262.6	185.2	208.4	431.8	150.8	191.1
3	164.3	123.8	169.2	134.7	109.5	271.9	191.7	210.3	447.4	155.4	191.1
4	165.0	116.6	170.8	130.4	120.2	279.6	195.2	214.0	465.9	158.8	191.1
1962-1	169.5	136.7	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	191.1
2	170.6	129.8	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	191.1
3	172.8	139.6	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	191.1
4	173.7	137.7	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	191.1
1963-1	176.7	141.6	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	191.1
2	178.6	147.5	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	191.1
3	179.3	145.5	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	191.1
4	185.7	150.3	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	191.1
1964-1	189.4	136.9	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	191.1
2	189.6	144.8	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	191.1
3	190.4	136.5	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	191.1
4	194.7	143.1	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	191.1
Without seasonal adjustment											
1960-1	142.9	66.4	152.1	116.0	55.9	256.0	198.5	177.0	414.6	148.9	191.1
2	156.0	90.2	163.9	123.6	117.5	247.5	193.4	198.1	365.5	152.3	191.1
3	178.7	280.4	166.5	172.1	136.4	260.6	208.9	188.5	367.1	146.9	191.1
4	156.1	74.8	165.9	155.5	106.4	248.9	190.9	206.7	373.6	148.9	191.1
1961-1	141.9	67.7	150.8	104.5	77.2	246.0	181.1	194.5	408.0	143.3	191.1
2	160.3	99.4	167.6	120.5	112.9	260.3	186.3	212.3	416.0	153.9	191.1
3	178.7	215.8	174.3	154.3	155.5	281.8	204.9	212.5	436.1	155.1	191.1
4	164.7	81.0	174.7	143.8	117.1	279.7	194.4	227.6	462.8	159.7	191.1
1962-1	152.2	72.3	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	191.1
2	169.4	97.9	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	191.1
3	194.4	299.9	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	191.1
4	169.8	68.8	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	191.1
1963-1	158.3	67.3	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	191.1
2	175.4	96.4	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	191.1
3	204.4	340.5	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	191.1
4	182.5	86.0	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	191.1
1964-1	171.2	68.9	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	191.1
2	188.0	105.7	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	191.1
3	210.6	293.9	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	191.1
4	193.5	92.5	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	191.1

BLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1960-64 - Continued
(1949=100)

Manufacturing								
Non-durable manufacturing								
Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing ¹	Paper products	Printing, publishing and allied industries	Products of petroleum and coal
Seasonally adjusted								
152.0	180.5	158.2	115.1	126.9	110.8	147.9	148.3	254.1
149.9	172.3	137.3	106.8	122.6	108.3	146.8	144.4	260.3
149.2	179.6	139.1	112.1	116.7	107.4	148.7	144.1	245.2
149.9	193.8	134.9	114.0	123.9	107.2	150.2	150.1	249.0
153.4	189.2	128.7	118.3	126.6	107.9	149.6	147.0	246.5
152.4	194.5	143.9	123.9	132.2	106.7	152.7	145.5	266.7
155.3	195.2	152.7	125.0	136.6	107.9	155.1	148.5	259.0
156.3	198.7	159.1	128.6	142.4	112.0	156.1	152.4	262.2
159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1	269.7
162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0	263.8
157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5	267.2
158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9	287.7
164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9	289.7
161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1	293.5
161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4	301.2
165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7	306.4
170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1	304.6
173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0	306.3
172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8	303.0
181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6	308.6
Without seasonal adjustment								
127.9	177.3	162.5	122.1	130.5	115.1	144.4	145.9	254.6
150.0	185.4	144.4	108.4	124.7	103.1	149.3	147.7	243.9
165.8	173.7	126.5	105.1	109.2	107.1	148.9	140.7	254.8
157.2	191.5	140.0	111.7	125.6	106.2	151.0	151.9	249.0
128.4	185.8	131.9	126.4	131.1	111.7	145.9	146.2	248.9
152.0	207.4	149.3	125.5	135.3	102.3	155.0	147.0	256.4
173.2	183.6	137.9	116.6	127.4	107.8	154.8	144.5	265.5
163.1	197.6	163.7	126.5	144.5	106.4	157.8	155.0	264.5
134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4	273.1
160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4	253.9
176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0	275.3
164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1	288.6
138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6	291.2
161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7	276.8
177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8	309.3
172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7	306.7
147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5	306.3
172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7	290.3
188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3	308.0
188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9	312.2

Explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1960-64 - Continued
(1949=100)

	Manufacturing								
	Non-durables		Durable manufacturing						
	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
Seasonally adjusted									
1960-1	220.7	187.7	153.2	140.8	146.8	136.4	148.1	190.7	217.4
2	218.2	188.9	146.5	135.7	137.0	130.3	148.5	184.8	205.1
3	223.5	191.4	142.8	134.5	131.4	125.0	149.9	176.4	207.2
4	216.5	198.2	143.9	134.1	134.9	127.6	148.2	170.4	214.3
1961-1	219.2	199.7	141.3	134.4	132.6	120.3	148.0	169.3	210.1
2	222.9	206.1	144.7	136.8	137.3	121.4	147.7	175.0	221.2
3	224.4	216.8	151.8	142.7	144.9	136.6	142.5	185.8	220.3
4	222.7	228.1	156.1	146.4	141.4	143.3	152.8	199.0	228.4
1962-1	232.7	231.8	157.7	148.5	144.8	141.5	151.3	206.6	227.5
2	237.3	234.3	162.7	149.4	149.5	151.0	150.2	211.2	242.6
3	232.7	240.9	167.8	153.3	156.8	160.7	149.1	213.1	242.7
4	228.2	241.2	171.5	157.9	157.7	169.9	144.9	221.3	248.8
1963-1	238.1	241.9	172.1	157.4	160.1	172.6	146.4	220.0	238.9
2	249.9	249.0	173.6	157.1	160.6	173.6	150.3	223.4	242.0
3	250.8	249.1	173.7	157.1	158.2	177.4	149.7	222.1	248.1
4	259.1	246.5	184.2	165.0	168.2	202.0	149.8	228.6	247.2
1964-1	274.5	256.7	192.2	167.3	177.4	207.5	156.7	231.0	281.3
2	269.7	261.2	191.1	162.2	180.4	201.1	161.7	237.0	261.4
3	278.3	266.2	195.7	164.4	181.7	217.3	159.3	240.6	271.5
4	295.6	263.0	195.5	168.1	191.5	179.6	168.6	248.5	301.6
Without seasonal adjustment									
1960-1	215.0	182.2	151.1	138.3	143.8	149.0	145.4	187.4	171.5
2	226.8	186.3	152.9	138.7	141.0	152.8	148.2	179.8	211.6
3	221.8	193.6	139.5	143.2	131.3	93.2	149.3	176.7	231.7
4	215.4	204.4	142.2	123.7	133.2	124.9	150.3	176.8	211.8
1961-1	214.7	194.0	139.2	132.7	130.1	131.1	146.1	166.9	161.9
2	229.3	202.2	150.8	139.7	141.5	141.9	147.9	170.5	221.0
3	223.2	218.8	148.3	151.4	145.7	101.3	141.6	186.4	251.1
4	221.1	237.0	155.4	134.8	140.4	144.7	154.7	206.7	231.2
1962-1	229.0	224.8	154.8	146.8	139.1	153.9	150.6	203.3	181.3
2	245.4	228.9	170.2	152.0	154.8	178.0	149.9	205.3	241.4
3	233.3	242.3	164.0	162.7	158.5	121.9	147.9	213.5	271.5
4	225.3	252.7	170.9	144.6	155.8	172.9	147.2	229.4	251.6
1963-1	234.2	234.2	168.2	156.0	153.5	182.6	146.7	216.2	181.3
2	259.3	241.6	181.7	159.5	166.6	203.1	148.9	216.5	251.4
3	250.4	251.2	168.6	167.6	161.7	129.6	147.6	222.0	281.5
4	252.7	259.4	184.9	153.1	165.2	210.3	152.2	239.2	281.6
1964-1	273.4	247.5	188.2	168.3	170.4	222.1	156.4	227.1	271.7
2	281.3	254.7	200.4	162.4	186.4	236.2	163.4	229.8	271.8
3	272.2	269.7	185.6	172.8	182.7	149.4	158.0	238.7	271.9
4	289.0	275.6	196.4	156.9	189.9	186.2	170.0	261.3	272.0

BLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1960-64 - Continued
(1949 = 100)

	Electric power and gas utilities	Con-struction	Transportation, storage and communication			Trade			Finance, insurance and real estate
			Total	Transportation	Storage	Total	Wholesale	Retail	
Seasonally adjusted									
.....	292.0	168.0	164.4	153.3	208.6	157.2	166.3	152.5	167.2
.....	296.5	160.0	164.1	152.9	206.6	156.3	160.0	154.3	169.0
.....	307.0	161.6	163.7	151.3	218.2	155.1	158.3	153.5	170.4
.....	302.0	161.7	164.1	151.1	214.2	157.2	161.4	155.0	171.3
.....	304.1	158.5	168.2	156.0	222.0	154.9	154.8	155.0	173.1
.....	319.4	165.5	173.0	161.0	233.8	156.8	161.3	154.5	174.5
.....	327.8	173.2	174.1	162.4	215.5	160.1	167.7	156.2	176.3
.....	325.9	171.7	173.8	160.6	207.9	161.1	168.5	157.3	178.0
.....	335.7	172.1	179.8	167.8	202.8	164.2	171.3	160.4	179.7
.....	337.7	173.8	177.2	165.4	161.0	166.7	175.7	162.0	182.8
.....	343.4	169.8	179.8	167.3	180.1	166.7	176.8	161.5	183.3
.....	339.0	170.4	181.5	166.8	231.8	168.4	175.5	164.7	185.5
.....	352.1	172.0	188.3	175.7	217.2	171.1	182.0	165.4	190.1
.....	359.2	174.4	187.8	174.1	202.8	171.5	180.6	166.7	192.9
.....	369.8	169.8	190.5	176.2	230.7	171.5	177.9	168.2	195.9
.....	390.2	180.6	201.0	188.8	253.6	177.3	185.0	173.3	198.9
.....	390.6	195.8	204.5	191.9	233.7	184.7	199.9	176.7	200.6
.....	399.7	181.7	208.9	195.8	259.3	181.9	195.5	174.8	201.6
.....	409.1	183.5	210.7	197.1	252.8	183.8	195.4	177.8	203.7
.....	427.6	199.1	213.8	201.0	215.4	185.6	197.7	179.2	206.4
Without seasonal adjustment									
.....	322.7	106.2	147.2	132.1	171.0	142.0	162.8	131.1	164.4
.....	287.3	165.3	167.9	158.0	223.0	163.0	171.3	158.7	169.9
.....	268.9	206.6	174.4	165.8	231.1	151.7	153.2	150.9	173.5
.....	313.0	173.9	166.0	151.3	223.4	169.8	159.8	175.0	170.2
.....	340.8	98.3	150.7	134.7	179.8	139.2	150.2	133.4	170.2
.....	308.6	169.1	176.7	166.1	254.1	162.9	171.7	158.3	175.5
.....	284.7	221.0	185.1	177.3	229.8	156.4	161.8	153.6	179.5
.....	336.8	185.3	175.7	160.7	217.7	174.4	167.1	178.2	176.9
.....	374.9	109.0	161.8	145.4	164.5	148.4	167.0	138.7	176.7
.....	328.5	175.8	181.4	171.5	173.1	173.6	187.3	166.5	183.8
.....	298.7	215.5	190.4	182.0	192.0	163.0	170.7	158.9	186.7
.....	348.7	183.5	183.1	166.5	241.8	182.3	174.5	186.4	184.4
.....	395.6	109.5	170.6	153.6	181.4	156.4	181.0	143.6	186.5
.....	349.2	176.7	192.4	180.9	212.6	177.9	190.4	171.4	194.4
.....	324.6	214.2	203.2	193.8	240.8	165.9	168.5	164.5	199.3
.....	400.2	194.1	201.8	186.8	273.4	192.4	186.4	195.6	197.7
.....	439.2	127.5	186.4	169.6	196.9	170.0	202.3	153.1	196.9
.....	387.5	188.1	213.0	202.1	257.7	188.4	206.2	179.1	202.8
.....	357.0	230.2	222.6	214.4	261.9	175.9	182.5	172.5	206.9
.....	438.5	215.8	215.3	199.6	242.0	200.9	197.8	202.5	205.3

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1960-64 - Concluded
(1949 = 100)

	Public adminis- tration and defence	Community, recreation, business and personal service	Special Industry Indexes						
			Commercial industries	Commercial industries, less agriculture	Non- commercial industries ¹	Goods- producing industries	Goods less agri- culture	Service- producing industries ²	Index of Indus- trial Produci
Seasonally adjusted									
1960-1.....	174.4	145.8	159.2	163.0	167.6	160.2	167.7	159.7	171.1
2.....	177.1	146.9	156.8	160.6	170.1	155.9	162.9	160.2	166.1
3.....	178.3	147.9	156.4	160.5	171.8	155.2	162.7	160.4	165.1
4.....	181.1	148.8	157.0	160.9	174.7	155.7	162.7	161.7	166.1
1961-1.....	182.5	149.0	154.8	160.7	176.9	151.7	162.1	162.3	166.1
2.....	182.6	150.8	158.7	164.0	178.5	156.7	166.3	164.4	170.1
3.....	184.7	153.8	162.8	168.0	181.0	162.1	171.8	166.8	176.1
4.....	185.9	154.9	163.5	169.7	182.5	162.6	174.2	167.8	179.1
1962-1.....	186.7	156.0	163.2	172.4	184.2	168.7	176.9	170.4	181.1
2.....	189.9	156.8	169.2	174.4	186.9	169.5	179.6	171.9	185.1
3.....	189.3	159.3	171.4	175.7	187.8	172.7	181.0	172.9	188.1
4.....	185.7	160.5	172.5	177.1	186.9	173.4	182.4	174.1	185.1
1963-1.....	186.6	162.7	175.7	180.2	187.5	175.9	184.6	177.6	191.1
2.....	187.7	164.4	177.7	181.7	189.4	178.7	186.6	178.6	194.1
3.....	189.2	165.6	178.2	182.6	191.2	178.6	186.9	180.1	195.1
4.....	189.2	167.1	185.1	189.7	192.3	186.6	195.8	184.7	203.1
1964-1.....	190.3	168.4	189.0	195.8	193.9	190.2	203.7	188.3	210.1
2.....	190.0	170.2	189.1	194.9	194.9	190.2	201.7	188.8	211.1
3.....	189.3	172.0	190.0	197.0	195.5	190.4	204.0	190.4	213.1
4.....	189.5	173.3	194.6	201.4	196.1	196.8	210.3	192.4	215.1
Without seasonal adjustment									
1960-1.....	169.5	141.8	140.9	150.8	164.6	136.7	154.4	150.0	168.1
2.....	177.4	147.5	154.7	163.3	170.4	149.6	164.6	163.3	168.1
3.....	184.3	151.4	179.1	165.6	175.3	192.5	170.3	163.1	169.1
4.....	179.9	148.7	154.5	165.1	174.0	147.8	166.3	165.6	167.1
1961-1.....	177.3	145.0	139.0	148.5	173.7	132.8	149.2	152.3	163.1
2.....	182.5	151.4	158.6	166.4	178.6	154.1	167.8	167.3	173.1
3.....	190.8	157.4	178.2	173.2	184.6	186.7	179.4	169.7	177.1
4.....	185.0	154.9	163.1	174.0	181.9	158.3	177.8	171.9	180.1
1962-1.....	181.5	151.8	149.5	159.7	181.0	144.9	163.2	160.3	177.1
2.....	189.8	157.4	167.7	177.0	187.0	164.2	181.0	175.1	187.1
3.....	195.5	163.2	194.7	180.8	191.5	211.0	188.5	175.7	188.1
4.....	184.9	160.6	168.3	181.5	186.4	162.2	185.8	178.4	191.1
1963-1.....	181.0	158.3	156.1	167.8	182.8	150.0	170.9	167.6	181.1
2.....	188.0	164.4	174.3	184.5	188.3	169.8	188.3	181.8	191.1
3.....	196.0	170.0	205.3	187.4	193.9	223.3	193.7	182.9	191.1
4.....	187.5	167.1	181.9	194.6	189.7	176.7	199.7	189.1	200.1
1964-1.....	183.8	164.1	169.5	182.8	189.8	164.9	189.2	178.2	200.1
2.....	190.3	170.3	187.3	198.1	195.2	184.5	204.5	191.8	210.1
3.....	197.1	176.3	211.5	200.7	200.2	226.7	209.6	192.5	210.1
4.....	187.9	173.5	193.3	210.8	195.1	190.3	215.0	197.1	220.1

¹ Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

² Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

TABLE 4. Indexes of Real Domestic Product (including the Index of Industrial Production), by Years, 1946-64
(1949 = 100)

	Gross Domestic Product	Agriculture	Gross domestic product-less agriculture	Forestry	Fishing and trapping	Mining					
						Total	Metals				
							Total	Gold	Iron ore	Copper	Nickel
Weights	100.000	10.714	89.286	2.108	0.540	3.245	1.925	0.624	0.099	0.356	0.337
.....	89.8	109.4	87.4	103.1	87.1	74.3	73.2	68.7	45.9	69.8	74.6
.....	93.8	102.8	92.7	118.7	81.0	78.5	79.6	74.5	50.7	85.7	92.1
.....	97.1	106.1	96.0	118.8	87.6	90.0	88.4	85.6	40.0	91.4	102.4
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.....	106.4	106.2	106.4	118.9	108.9	109.5	107.7	106.6	96.0	100.4	96.2
.....	114.6	120.9	113.8	141.5	111.5	123.4	107.9	108.5	115.9	102.5	107.1
.....	122.7	148.8	119.6	129.7	101.6	131.0	110.3	108.5	126.5	98.0	109.2
.....	126.7	136.3	125.5	123.7	103.6	142.1	115.7	98.5	170.6	96.1	111.7
.....	123.9	104.3	126.2	128.4	112.3	158.7	129.0	105.8	185.4	114.8	125.3
.....	136.3	132.1	136.8	135.7	105.6	185.2	142.7	110.2	316.5	123.7	135.9
.....	147.7	141.7	148.4	143.4	111.6	212.3	151.0	107.9	418.6	135.2	139.0
.....	147.0	117.5	150.5	130.5	105.5	227.8	170.0	106.7	462.6	137.1	146.8
.....	148.9	125.1	151.7	115.6	117.8	227.0	180.3	109.7	321.5	131.8	110.2
.....	156.5	125.2	160.2	130.6	105.9	251.1	201.3	108.4	448.9	151.6	144.8
.....	158.5	128.0	162.1	141.8	104.1	253.3	197.9	111.2	406.3	168.7	166.9
.....	161.4	116.0	166.8	130.8	115.7	266.9	191.7	107.1	504.7	169.5	183.8
.....	171.4	134.7	175.8	140.5	130.4	287.4	197.7	100.1	632.5	176.7	184.2
.....	180.2	147.6	184.1	149.4	125.2	294.4	193.8	95.5	670.8	174.0	171.0
.....	190.8	140.3	196.9	159.3	123.6	326.5	210.7	91.0	834.2	186.4	181.2
Mining											
Non-metals						Manufacturing total	Non-durable manufacturing				
Fuels							Non-durable manufacturing total	Foods and beverages total	Foods		
Total	Asbestos	Total	Coal	Natural gas	Petroleum				Total	Meat products	
Weights	0.268	0.214	0.915	0.553	0.035	0.327	27.340	14.742	3.814	2.896	0.523
.....	96.6	101.1	72.2	93.4	83.5	35.3	85.2	89.8	98.0	103.0	134.1
.....	109.2	114.9	66.0	82.1	91.5	36.0	93.2	93.2	97.2	100.4	119.9
.....	118.8	124.5	83.2	97.2	100.9	57.6	97.3	96.3	98.5	99.5	100.4
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.....	139.1	151.8	112.1	98.5	107.3	135.5	106.2	106.0	103.8	104.4	104.3
.....	156.3	170.7	143.5	95.6	120.5	226.9	115.0	110.8	106.8	107.0	102.8
.....	155.5	171.5	163.9	90.5	128.9	291.8	118.5	113.2	113.5	112.8	122.6
.....	152.9	162.3	192.7	81.5	147.8	385.5	126.4	120.2	117.4	115.1	119.7
.....	161.4	167.8	215.6	75.2	169.6	457.8	122.9	121.2	120.6	120.2	126.5
.....	180.2	191.9	273.2	74.1	204.5	616.8	134.7	130.4	126.8	125.6	137.7
.....	187.6	188.4	344.7	74.6	235.0	812.7	145.1	138.1	133.1	131.4	144.7
.....	179.0	184.3	358.2	65.4	295.1	859.5	142.9	139.7	135.6	133.2	144.4
.....	170.9	178.3	329.5	56.7	401.6	782.6	140.7	141.3	141.9	140.1	151.7
.....	191.4	193.5	363.1	51.9	503.9	873.7	149.8	150.1	147.6	145.0	168.1
.....	192.6	201.4	380.2	53.3	589.2	909.9	149.3	151.8	150.2	147.1	156.5
.....	211.7	223.4	430.7	49.9	712.0	1,043.7	153.0	157.0	154.2	151.2	158.1
.....	222.5	234.1	480.8	48.8	1,005.7	1,154.0	164.9	164.8	158.9	154.8	159.2
.....	228.1	239.1	513.6	52.0	1,179.8	1,221.6	173.9	172.2	162.1	157.2	163.6
.....	324.9	259.9	554.7	55.1	1,382.3	1,300.8	188.2	184.5	174.1	170.0	182.8
Non-durable manufacturing											
Foods						Beverages				Tobacco and tobacco products	Rubber products
Dairy products	Canning and processing	Grain mill products	Bakery products	Miscellaneous foods	Total	Carbonated beverages	Breweries	Distilleries			
Weights	0.450	0.453	0.322	0.558	0.590	0.918	0.231	0.463	0.203	0.248	0.430
.....	83.1	105.5	113.3	103.9	82.3	82.2	55.7	77.9	120.0	90.6	89.5
.....	87.7	95.5	111.2	100.7	90.6	87.3	69.5	90.2	99.1	93.4	127.4
.....	101.7	102.7	97.9	99.0	96.0	95.3	87.2	98.5	97.4	93.4	116.4
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.....	97.8	112.0	99.6	103.0	107.5	102.1	102.1	99.5	107.4	103.4	116.8
.....	104.6	121.8	109.8	109.1	97.6	106.2	94.8	102.3	129.4	95.0	124.9
.....	103.2	119.8	108.6	114.8	106.3	115.5	102.0	116.3	131.2	108.0	118.9
.....	111.5	119.0	108.9	121.8	108.0	124.6	108.5	122.3	151.5	120.3	130.3
.....	120.4	129.1	108.1	122.4	112.2	121.7	104.5	120.5	145.4	124.7	119.2
.....	127.3	135.5	107.2	126.7	115.2	130.6	119.4	127.7	151.9	135.5	141.0
.....	130.5	134.4	116.9	135.4	122.0	138.4	122.6	131.4	174.6	145.9	154.0
.....	136.4	143.8	116.6	129.6	125.1	143.2	129.7	139.5	169.7	161.0	147.8
.....	143.0	146.1	130.6	137.8	130.3	147.7	145.9	135.2	179.0	173.2	137.2
.....	146.7	142.6	132.4	142.0	135.0	155.8	155.9	141.9	190.3	179.9	161.1
.....	152.8	149.5	132.5	144.1	142.9	160.2	158.7	146.4	194.8	182.0	143.3
.....	158.3	153.8	138.6	149.2	146.4	163.6	165.6	147.6	200.1	193.6	145.7
.....	159.3	164.7	137.5	145.4	158.3	171.9	173.0	156.3	210.0	203.7	167.6
.....	163.5	165.4	145.9	138.8	164.3	177.6	178.7	159.9	220.3	207.7	190.5
.....	171.5	174.9	182.5	147.7	169.3	187.3	181.0	168.2	242.5	214.0	213.8

TABLE 4. Indexes of Real Domestic Product (including the Index of Industrial Production), by Years, 1946-64 - Continued
(1949 = 100)

	Non-durable manufacturing										Printing publishing and allied industries
	Leather products		Textiles				Clothing total ¹	Paper products			
	Total	Boots and shoes	Total	Cotton goods	Wool goods	Synthetic textiles and silk		Total	Pulp and paper		
1949 Weights	0.508	0.307	1.623	0.507	0.300	0.429	1.801	2.649	2.108	1.2	
1946	124.0	118.4	88.7	87.6	108.0	70.9	95.3	81.0	80.5	76	
1947	109.1	100.8	94.0	96.4	111.0	77.2	92.2	89.1	89.1	83	
1948	95.5	91.4	97.3	103.3	106.4	86.2	97.6	94.9	95.1	92	
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	
1950	95.6	94.0	112.5	115.8	103.9	119.9	101.3	109.3	108.4	101	
1951	90.4	93.2	113.1	109.5	95.7	134.0	101.2	117.5	117.5	105	
1952	101.0	106.4	102.9	93.9	80.4	122.6	111.4	113.4	113.5	107	
1953	106.4	111.0	107.9	97.3	89.6	127.5	115.0	118.1	117.5	114	
1954	100.2	103.9	94.3	86.7	72.0	108.7	108.9	124.1	124.0	121	
1955	106.9	108.7	114.0	102.7	89.2	143.3	112.8	131.0	131.1	127	
1956	115.6	119.4	117.3	101.3	93.0	149.2	117.6	137.8	137.4	137	
1957	115.6	120.7	117.6	100.0	86.9	156.6	116.8	135.5	133.6	138	
1958	114.4	122.7	109.9	90.2	74.2	151.5	114.4	135.6	131.5	134	
1959	120.3	131.6	124.4	94.2	84.8	181.1	113.1	144.7	141.8	143	
1960	111.8	123.7	122.5	89.6	78.5	187.6	107.9	148.4	148.2	146	
1961	123.8	134.3	134.6	98.8	80.3	219.5	107.1	153.4	153.1	148	
1962	126.7	137.7	146.6	105.3	84.9	243.6	111.0	159.1	158.6	154	
1963	127.0	136.9	159.5	109.6	89.8	281.0	137.0	164.3	163.8	156	
1964	130.9	139.3	172.2	120.1	89.8	306.8	135.8	179.0	180.0	164	
	Non-durable manufacturing					Durable manufacturing					Furniture and fixtures
	Products of petroleum and coal		Chemicals		Miscel- laneous manufac- turing	Durable manufac- turing total	Wood products				
	Total	Petroleum products	Total	Acids alkalies salts and fertilizers			Total	Saw and planing mills	Veneers and plywoods	Sawmills	
1949 Weights	0.513	0.454	1.359	0.346	0.524	12.598	2.108	1.444	0.122	0.994	0.4
1946	74.3	73.3	87.0	86.0	80.2	79.9	86.8	82.9	79.7	88.2	93
1947	79.8	79.3	90.8	95.0	84.1	93.3	98.2	96.4	106.3	101.4	95
1948	89.9	88.7	95.7	97.0	81.4	98.4	100.6	100.9	115.5	101.1	99
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
1950	111.9	112.7	107.7	109.6	104.8	106.5	108.2	111.4	118.6	110.1	107
1951	128.5	131.2	120.0	126.4	119.0	119.9	114.8	119.3	144.0	116.9	108
1952	140.1	143.6	122.3	125.6	121.8	124.8	115.8	118.8	141.2	115.2	113
1953	153.5	158.7	139.9	137.4	141.1	133.6	125.4	129.6	178.3	124.7	126
1954	165.0	174.0	152.1	158.7	134.3	124.8	124.2	128.7	185.5	122.5	128
1955	188.3	197.8	165.5	184.0	136.4	139.7	136.4	143.9	226.2	133.5	133
1956	216.1	228.1	174.8	187.8	147.0	153.3	138.3	143.6	247.3	131.3	140
1957	223.5	236.8	183.4	197.4	153.3	146.7	127.3	128.4	235.7	114.6	141
1958	216.8	232.7	198.0	226.4	166.3	139.9	132.0	135.6	253.1	120.1	143
1959	241.5	259.1	208.4	246.9	183.2	149.5	136.6	140.5	252.3	126.1	146
1960	250.6	269.8	219.7	260.8	191.6	146.4	136.0	141.2	267.1	132.7	147
1961	258.8	279.0	222.1	257.2	213.0	148.4	139.6	146.7	295.4	134.1	148
1962	272.8	294.3	233.2	266.0	237.2	165.0	151.5	161.1	329.8	149.6	153
1963	296.0	319.7	249.1	302.0	246.6	175.9	159.0	172.1	358.8	162.3	155
1964	304.2	329.5	279.0	331.7	261.9	192.7	165.1	179.3	399.3	167.0	157
	Durable manufacturing					Durable manufacturing					Ship building and repairs
	Iron and steel products				Total	Transportation equipment					
	Total	Machinery	Iron castings	Primary iron and steel		Aircraft and parts	Motor vehicles	Motor vehicle parts	Railway rolling stock		
1949 Weights	4.026	0.851	0.387	0.845	0.359	2.651	0.203	1.035	0.462	0.621	0.
1946	80.8	89.3	78.6	71.7	90.1	80.6	105.0	59.8	72.4	83.4	15
1947	93.6	103.0	87.6	93.9	95.3	95.3	87.8	90.3	91.5	79.5	17
1948	101.5	104.5	98.1	99.1	102.9	97.2	76.3	89.7	90.0	101.9	15
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10
1950	102.5	98.8	102.7	109.4	102.7	108.3	98.7	129.1	130.9	74.0	8
1951	117.0	117.7	104.7	129.0	108.2	131.3	194.6	143.5	135.1	102.6	10
1952	118.9	116.8	99.9	127.9	106.9	149.1	320.3	146.4	136.0	105.6	16
1953	115.3	111.6	94.2	120.8	114.1	165.2	398.4	164.4	146.1	101.9	18
1954	106.2	113.0	88.1	94.6	113.8	137.3	355.4	130.7	114.2	88.3	13
1955	123.8	120.3	122.6	133.0	125.6	145.1	308.8	167.7	130.1	75.7	16
1956	145.3	144.7	155.4	158.3	137.0	157.9	313.1	184.1	135.1	89.7	15
1957	139.6	146.3	129.4	149.0	126.2	151.2	350.4	162.0	121.5	92.3	16
1958	128.3	122.6	141.4	121.8	136.8	132.5	331.2	138.6	113.5	71.9	14
1959	147.2	135.9	157.5	167.7	149.6	131.5	249.4	148.8	132.9	61.5	14
1960	137.3	135.1	147.8	162.1	143.5	130.0	238.4	159.0	121.1	51.2	14
1961	139.4	133.4	150.2	174.0	141.0	129.8	269.5	157.3	121.3	42.9	18
1962	152.1	149.1	135.5	193.0	157.3	156.7	260.0	206.9	146.6	41.5	18
1963	161.8	160.2	151.1	216.9	156.9	181.4	233.8	257.6	179.5	41.1	19
1964	182.4	179.2	180.7	244.9	164.3	198.5	270.9	276.1	215.6	47.3	16

¹ See footnote, Table 3, Page 25.

TABLE 4. Indexes of Real Domestic Product (including the Index of Industrial Production), by Years, 1946-64 - Concluded
(1949=100)

	Durable manufacturing										
	Non-ferrous metal products			Electrical apparatus and supplies				Non-metallic mineral products			
	Total	Brass and copper	Smelting and refining	Total	Heavy electrical machinery	Telecommunication equipment	Refrigerators and appliances	Total	Concrete products	Hydraulic cement	Domestic clay products
ights	1.601	0.241	1.028	1.418	0.489	0.142	0.227	0.794	0.098	0.117	0.083
81.8	96.2	76.4	67.7	70.3	80.0	34.2	72.0	51.4	66.5	86.9	
89.6	97.3	87.7	89.6	86.5	108.5	59.0	86.3	62.0	76.0	91.2	
99.2	101.3	98.7	91.5	99.2	88.3	68.4	92.2	79.7	87.2	102.8	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
104.0	98.4	105.5	112.5	105.5	126.5	142.9	111.0	115.0	104.1	114.9	
114.1	116.7	114.0	120.7	130.4	139.5	118.4	119.8	130.7	106.6	120.7	
112.2	116.5	114.5	124.5	130.5	208.1	103.8	122.8	168.1	114.6	116.0	
120.1	106.5	126.0	150.9	132.3	351.1	134.7	139.2	182.4	139.5	130.8	
117.0	96.9	127.4	151.7	119.5	388.8	131.4	146.1	231.9	140.2	136.7	
127.5	111.1	140.1	176.2	126.2	543.4	136.8	171.1	317.6	156.1	146.6	
133.0	119.4	145.9	191.3	157.0	460.3	160.4	191.5	376.5	183.3	160.0	
127.6	105.5	141.8	183.6	163.4	377.8	152.6	191.3	356.9	221.1	145.5	
126.7	111.8	138.9	176.2	148.4	413.1	152.8	205.9	474.2	223.3	161.3	
134.7	119.3	145.7	184.8	142.5	420.7	181.3	223.2	534.2	221.8	170.2	
148.3	115.2	168.7	180.2	135.3	398.6	176.6	210.9	511.9	203.8	152.8	
147.6	122.2	165.6	182.6	132.0	428.9	171.3	220.2	574.1	214.6	146.2	
148.9	126.9	164.2	212.9	149.8	524.1	198.4	240.9	655.0	241.9	148.1	
148.8	133.4	161.6	223.5	154.3	546.9	221.6	243.0	652.3	246.0	136.7	
162.0	149.6	176.0	239.2	161.0	584.0	233.8	277.6	849.6	277.5	146.1	
	Electric power and gas utilities			Con- struction	Transportation, storage and communication			Trade			
	Total	Electric power	Gas		Total	Transportation	Storage	Total	Wholesale	Retail	
ights	1.646	1.480	0.166	6.379	8.363	6.528	0.230	14.562	4.995	9.567	
79.4	78.2	90.1	68.4	90.5	93.2	87.8	89.4	89.7	89.2		
89.8	89.3	94.5	79.7	98.2	101.5	92.7	97.3	96.8	97.5		
94.8	94.2	100.1	89.2	99.8	102.4	87.4	96.0	97.4	95.3		
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
113.2	113.7	108.8	106.7	103.3	102.1	102.2	106.9	103.2	108.9		
129.4	131.1	114.3	110.6	113.1	111.4	131.5	108.1	111.2	106.5		
140.7	143.4	116.1	123.2	119.4	116.6	175.9	114.6	117.2	113.3		
147.9	151.0	119.7	130.1	120.9	117.1	179.9	121.3	122.3	120.8		
161.4	164.6	132.8	129.8	117.9	110.6	185.7	120.6	118.8	121.6		
183.3	187.9	142.0	139.8	133.6	127.9	182.4	132.0	129.4	133.4		
204.9	208.9	169.0	165.7	149.2	143.3	218.4	144.2	144.7	143.9		
220.3	223.6	190.9	174.7	149.5	141.0	217.3	144.6	144.9	144.4		
239.1	240.0	230.4	178.4	146.6	135.2	217.8	147.4	147.6	147.3		
268.7	263.3	316.6	170.7	160.6	150.8	218.6	156.4	161.9	153.5		
298.0	287.4	392.7	163.0	163.9	151.8	212.1	156.6	161.8	153.9		
317.7	298.5	490.6	168.4	172.1	159.7	220.3	158.2	162.7	155.9		
337.7	313.1	558.3	171.0	179.2	166.4	192.9	166.8	174.9	162.6		
367.4	339.2	620.1	173.6	192.0	178.8	227.1	173.2	181.6	168.8		
405.6	371.5	711.0	190.4	209.3	196.4	239.6	183.8	197.2	176.8		
	Finance, insurance and real estate	Public adminis- tration and defence	Community, recreation, business and personal service	Special industry indexes							
				Commercial industries	Commercial industries, less agriculture	Non- commercial industries ¹	Goods- producing industries	Goods less agri- culture	Service- producing industries ²	Index of industrial production	
ights	9.127	4.666	10.202	91.729	81.015	8.271	53.080	42.366	46.920	32.231	
81.6	124.7	89.3	88.1	85.3	108.4	88.2	82.8	91.6	83.8		
87.7	92.6	92.9	94.0	92.8	91.4	93.4	91.0	94.2	91.5		
93.4	92.3	95.9	97.4	96.3	93.3	98.3	96.3	95.8	96.4		
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
105.6	106.6	103.3	106.5	106.6	104.8	107.4	107.7	105.2	106.9		
113.4	119.0	107.9	114.6	113.8	114.0	117.7	116.9	111.1	116.6		
118.4	136.3	112.1	122.4	119.0	125.5	127.0	121.5	117.8	120.9		
123.2	144.2	115.7	126.2	124.9	132.1	130.3	128.7	122.7	129.1		
129.9	151.3	117.3	122.5	124.9	138.9	123.5	128.4	124.3	128.5		
136.5	156.3	119.9	135.7	136.1	143.1	139.2	141.1	132.9	142.3		
141.5	158.9	127.0	147.8	148.6	146.8	152.5	155.2	142.3	154.9		
150.9	163.7	130.6	146.5	150.4	152.3	148.3	156.0	145.6	155.4		
156.1	171.3	135.2	148.0	151.0	159.2	149.1	155.1	148.7	154.4		
163.5	175.0	141.4	155.7	159.7	165.2	155.9	163.7	157.1	166.1		
169.5	177.8	147.4	157.3	161.2	171.1	156.7	163.9	160.5	167.4		
175.5	183.9	152.2	159.7	165.5	179.7	157.9	168.6	165.3	172.9		
182.9	187.9	158.2	170.1	174.8	186.5	170.6	179.7	172.4	186.0		
194.5	188.1	165.0	179.4	183.6	188.7	180.0	188.2	180.4	195.9		
203.0	189.8	171.0	190.4	198.1	195.1	191.6	204.6	189.9	213.3		

Notes see Table 3, Page 28.

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

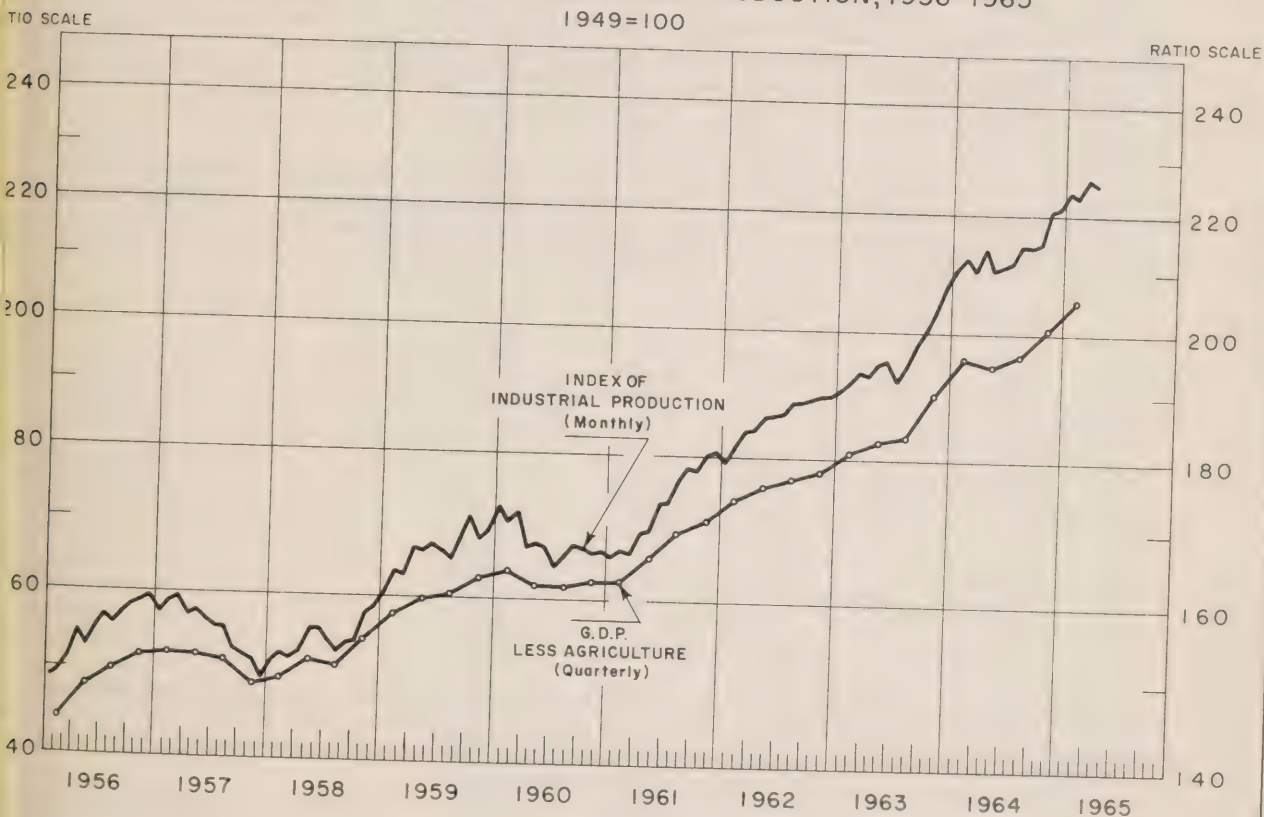
APRIL 1965

The seasonally adjusted index of industrial production declined by 0.5 per cent in April.

Non-agricultural real output increased by 2.2 per cent in the first quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the first quarter of 1965.

Industrial Output Section
National Accounts and Balance of Payments Division

1965
-502

APRIL INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production for April declined by 0.5% to 225.6 from the revised March level of 226.7. The decline was the result of drops of 0.7% and 1.3% in manufacturing and electric power and gas utilities and a gain of 0.9% in mining output.

The big influence on the drop in manufacturing in April was a decline in durables output, a good deal of which emanated from a fall of 7% in motor vehicle production after record output in that industry in the month of March. In addition, the transportation equipment group was adversely affected by a strike in the aircraft and parts component. Further, there was a 6% decline in non-metallic mineral products, as the building materials components generally showed weakness. The three groups of iron and steel, non-ferrous metal products and electrical apparatus and supplies showed changes of approximately 1% in the month, with the two former industries lower. Wood products, on the other hand, gained more than 3%, as the output of sawmills advanced by almost 8%.

On the non-durable side, output continued to show little change for the fourth consecutive month, as April was little changed from March. All major group movements in April were in the order of 1% to 2%, with the exception of textiles and petroleum products (-4% and -3% respectively) and printing and publishing (+4%).

The gain of 0.9% in mining was the result of rather large changes within the detail. For example, metals and non metals declined by about 4%, while fuels advanced almost 7%. Some of the more notable internal movements included large gains in lead and crude petroleum. 'Other' metals (including uranium) showed a further substantial drop while iron ore fell by 6%.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1965 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement to 61-005 for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964		1965			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	220.9	221.1	224.3	223.1	226.7	225.6
MINING,	3.245	2	341.2	338.1	348.3	343.3	346.7	349.8
Metals	1.925	2	216.9	208.4	231.1	223.6	223.5	214.8
Gold	0.624	5	94.9	87.0	93.3	88.0	87.3	90.9
Copper	0.356	4	193.5	194.1	198.6	197.3	189.9	195.5
Iron ore	0.099	3	958.7	905.8	1,021.0	1,057.0	916.3	858.8
Nickel	0.337	4	190.6	206.4	228.0	208.2	225.3	216.6
Non-metals	0.268	5	341.5	353.2	382.2	399.0	406.6	387.7
Asbestos	0.214	5	277.4	276.3	254.9	267.6	268.3	270.5
Fuels	0.915	3	584.2	577.0	564.8	557.8	567.0	606.2
Coal	0.553	6	55.7	56.4	58.4	58.4	63.9	59.8
Natural gas	0.035	2	1,414.4	1,514.9	1,371.3	1,338.5	1,463.1	1,517.8
Petroleum	0.327	3	1,387.6	1,355.5	1,334.7	1,318.9	1,321.8	1,432.6
MANUFACTURING, TOTAL	27.340	3	194.5	194.4	197.2	195.9	199.5	198.2
NON-DURABLE MANUFACTURES	14.742	3	191.0	192.7	191.4	189.8	188.9	189.1
Foods and beverages	3.814	4	181.2	187.0	187.3	176.3	176.9	178.4
Foods	2.896	4	175.9	181.9	176.7	170.6	174.6	177.2
Meat products	0.523	4	183.9	214.4	197.7	182.6	187.7	183.5
Dairy products	0.450	3	176.4	164.7	172.4	173.7	173.6	172.1
Canning and processing	0.453	4	184.2	191.2	184.5	176.4	190.9	197.4
Grain mill products	0.322	4	177.4	177.2	189.5	188.3	179.6	185.9
Bakery products	0.558	3	153.9	151.9	148.6	147.9	149.4	151.7
Miscellaneous foods	0.590	4	182.1	184.1	174.9	164.9	172.2	179.4
Beverages	0.918	6	197.8	203.4	220.7	194.2	184.3	182.1
Carbonated beverages	0.231	6	189.3	179.9	174.7	208.2	186.1	173.2
Breweries	0.463	6	180.4	176.1	235.3	161.3	168.8	163.8
Distilleries	0.203	6	252.1	296.9	246.7	258.5	222.7	238.4
Tobacco and tobacco products ..	0.248	6	221.4	221.2	217.5	221.0	218.8	216.7
Rubber products	0.430	3	217.5	229.7	209.6	217.6	205.6	208.8
Leather products	0.508	2	130.1	133.4	130.2	125.7	127.8	127.5
Boots and shoes	0.307	4	139.0	144.0	139.6	133.4	135.5	135.9
Textiles	1.623	3	177.2	171.3	176.0	183.7	177.3	170.8
Cotton goods	0.507	4	122.4	112.3	124.2	134.9	132.8	111.0
Wool goods	0.300	3	86.1	83.5	90.4	82.3	88.6	80.9
Synthetic Textiles and Silk	0.429	3	328.2	318.7	317.3	341.7	314.0	319.1
Clothing	1.801	3	143.1	139.0	138.5	136.9	135.6	137.5
Paper products	2.649	3	186.8	187.5	184.4	186.7	189.0	185.4
Pulp and paper	2.108	3	188.1	188.3	187.0	189.3	191.1	186.2

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964		1965			
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	166.5	161.1	167.8	175.6	170.1	176.4
Products of petroleum and coal	0.513	3	307.2	320.0	325.9	315.1	310.7	302.0
Petroleum products	0.454	3	332.0	346.2	352.8	342.0	336.2	326.9
Chemicals and allied products	1.359	2	295.8	302.6	288.2	284.8	287.6	292.3
Acids, alkalies, salts and fertilizers	0.346	2	364.8	364.4	346.5	350.4	336.3	342.0
Miscellaneous manufactures	0.524	1	262.0	261.7	266.1	264.2	266.6	271.0
DURABLE MANUFACTURES	12.598	3	198.6	196.4	203.9	203.1	211.8	208.0
Wood products	2.108	2	172.6	162.3	168.0	164.3	167.5	173.0
Saw and planing mills	1.444	3	188.8	173.1	180.5	173.6	176.3	183.0
Veneers and plywoods	0.122	3	420.5	401.2	409.0	398.9	404.5	394.0
Sawmills	0.994	4	179.8	158.6	167.6	158.5	162.0	174.0
Furniture	0.460	2	160.2	161.4	164.6	169.9	175.7	177.0
Iron and steel products	4.026	2	191.6	197.0	193.8	188.2	193.2	192.0
Machinery	0.851	1	187.3	190.1	194.3	194.0	196.9	199.0
Iron castings	0.387	3	183.8	196.3	184.0	171.5	189.5	180.0
Primary iron and steel	0.845	2	255.0	265.4	250.6	248.6	260.7	259.0
Sheet metal products	0.359	1	172.8	177.9	178.8	173.0	173.0	176.0
Transportation equipment	2.651	4	193.0	168.6	210.4	214.5	238.9	227.0
Aircraft and parts	0.203	1	278.4	270.7	265.6	258.9	264.3	240.0
Motor vehicles	1.035	4	255.5	208.8	295.4	305.6	359.1	334.0
Motor vehicle parts	0.462	2	214.5	173.2	229.2	236.8	249.5	244.0
Railway rolling stock	0.621	1	49.3	49.7	50.4	49.5	50.5	52.0
Shipbuilding and repairs	0.261	1	199.6	201.8	201.4	197.8	204.6	209.0
Non-ferrous metal products	1.601	3	166.7	172.5	165.6	168.0	175.9	173.0
Brass and copper products ...	0.241	1	155.2	159.9	163.2	160.1	160.9	164.0
Smelting and refining	1.028	3	182.3	189.8	177.5	182.6	193.6	188.0
Electrical apparatus and supplies	1.418	2	249.2	250.9	256.0	256.3	264.0	267.0
Heavy electrical machinery ..	0.489	1	163.1	164.3	169.3	170.9	172.6	175.0
Telecommunication equipment	0.142	3	626.7	648.2	674.9	650.9	668.7	672.0
Refrigerators and appliances	0.227	3	248.1	233.1	231.6	240.3	252.0	256.0
Non-metallic mineral products	0.794	2	295.9	327.7	313.6	319.8	312.7	294.0
Concrete products	0.098	4	926.4	1,083.8	995.6	996.1	908.5	871.0
Hydraulic cement	0.117	5	311.3	355.4	350.8	326.3	344.6	301.0
Domestic clay products	0.083	3	151.1	149.8	168.0	156.2	164.2	160.0
ELECTRIC POWER AND GAS UTILITIES	1.646	2	421.8	434.1	429.6	437.4	442.0	436.0
Electric power	1.480	2	385.3	397.5	395.3	403.3	404.5	396.0
Gas	0.166	3	748.8	762.0	735.2	741.0	776.6	789.0

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	211.7	209.0	212.0	223.6	226.7	224.1
MINING,	294.4	326.5	320.2	307.3	309.7	328.6	332.7	329.2
Metals	193.8	210.7	202.5	191.5	215.6	196.0	204.6	208.2
Gold	95.5	91.0	89.3	90.9	96.0	87.6	86.5	94.0
Copper	174.0	186.4	171.1	179.5	176.9	183.5	185.3	189.6
Iron ore	670.8	834.2	549.2	614.3	736.9	634.2	613.9	687.0
Nickel	171.0	181.2	184.6	170.8	185.6	209.9	219.2	220.9
Non-metals	228.1	324.9	291.3	297.7	325.8	341.0	360.5	377.5
Asbestos	239.1	259.9	242.9	246.8	272.1	258.8	269.4	281.3
Fuels	513.6	554.7	584.7	559.8	498.6	614.2	597.6	563.6
Coal	52.0	55.1	58.1	54.2	51.6	64.7	62.2	55.6
Natural gas	1,179.8	1,382.3	1,532.2	1,456.7	1,382.6	1,651.7	1,622.6	1,542.1
Petroleum	1,221.6	1,300.8	1,372.3	1,317.4	1,158.4	1,432.3	1,393.2	1,318.0
MANUFACTURING, TOTAL	173.9	188.2	185.0	184.2	188.0	194.3	198.9	197.4
NON-DURABLE MANUFACTURES	172.2	184.5	179.4	178.0	181.5	187.3	186.8	185.5
Foods and beverages	162.1	174.1	153.0	149.8	159.7	155.7	157.2	162.8
Foods	157.2	170.0	148.7	144.4	152.6	152.9	153.4	158.9
Meat products	163.6	182.8	178.4	166.3	181.0	185.7	187.7	186.6
Dairy products	163.5	171.5	141.3	154.4	166.2	146.6	158.3	169.0
Canning and processing	165.4	174.9	100.0	86.3	91.7	100.6	96.2	100.6
Grain mill products	145.9	182.5	189.9	189.8	179.7	191.2	181.8	180.4
Bakery products	138.8	147.7	131.5	131.3	141.2	137.5	138.4	148.0
Miscellaneous foods	164.3	169.3	159.5	149.2	159.9	162.3	162.0	170.0
Beverages	177.6	187.3	166.6	167.1	181.8	164.5	169.2	175.0
Carbonated beverages	178.7	181.0	159.5	137.9	173.0	181.1	143.1	155.9
Breweries	159.9	168.2	152.0	176.2	179.3	132.3	173.4	175.6
Distilleries	220.3	242.5	214.3	185.3	205.1	224.9	196.0	202.4
Tobacco and tobacco products	207.7	214.0	203.5	183.6	211.5	228.3	224.7	218.4
Rubber products	190.5	213.8	242.7	218.2	227.7	250.2	216.7	213.6
Leather products	127.0	130.9	146.2	142.1	136.6	140.4	140.4	131.9
Boots and shoes	136.9	139.3	162.3	159.0	149.3	154.3	155.8	143.1
Textiles	159.5	172.2	177.7	173.8	183.0	193.5	181.1	174.3
Cotton goods	109.6	120.1	130.4	116.9	139.0	146.0	135.9	115.4
Wool goods	89.8	89.8	94.9	88.8	100.5	83.5	84.3	76.9
Synthetic textiles and silk	281.0	306.8	314.1	319.1	318.8	367.0	329.7	331.5
Clothing	137.0(1)	135.8	138.8	142.3	128.7	143.2	145.8	132.7
Paper products	164.3	179.0	173.0	175.8	179.8	184.5	189.6	184.3
Pulp and paper	163.8	180.0	173.8	177.2	183.0	189.1	193.6	186.2

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	158.7	163.3	174.5	171.4	171.2	179.5
Products of petroleum and coal	296.0	304.2	316.8	296.5	283.3	321.4	309.0	282.5
Petroleum products	319.7	329.5	343.2	320.3	305.5	349.2	334.2	304.5
Chemicals and allied products	249.1	279.0	278.0	283.0	278.6	289.2	295.6	305.5
Acids, alkalies, salts and fertilizers	302.0	331.7	338.3	339.8	340.3	367.9	368.9	373.5
Miscellaneous manufactures	246.6	261.9	247.9	250.2	249.4	255.5	259.1	262.5
DURABLE MANUFACTURES	175.9	192.7	191.5	191.4	195.5	202.5	213.1	211.5
Wood products	159.0	165.1	175.6	172.4	155.7	173.6	173.3	160.5
Saw and planing mills	172.1	179.3	197.0	192.2	167.9	189.9	187.6	168.5
Veneers and plywoods	358.8	399.3	422.1	417.6	424.9	430.8	422.7	415.5
Sawmills	162.3	167.0	190.9	184.4	149.7	182.3	179.7	153.5
Furniture	153.0	157.9	151.1	151.1	150.9	163.1	168.1	169.5
Iron and steel products	161.8	182.4	172.1	176.6	182.9	184.8	192.7	193.5
Machinery	160.2	179.2	165.8	168.1	171.3	190.1	193.4	197.5
Iron castings	151.1	180.7	176.2	173.1	198.5	182.8	208.5	200.5
Primary iron and steel	216.9	244.9	229.2	236.0	257.2	243.4	259.4	267.5
Sheet metal products	156.9	164.3	149.7	152.9	154.9	160.9	164.0	170.5
Transportation equipment	181.4	198.5	224.9	221.8	234.2	232.6	263.8	260.5
Aircraft and parts	233.8	270.9	264.9	263.8	265.0	266.1	266.9	234.5
Motor vehicles	257.6	276.1	347.7	341.3	368.7	348.4	420.1	414.5
Motor vehicle parts	179.5	215.6	217.8	216.6	222.3	244.8	256.0	253.5
Railway rolling stock	41.1	47.3	44.9	45.6	45.5	48.9	49.7	5.5
Shipbuilding and repairs	197.2	187.6	178.5	175.0	180.6	192.7	204.6	211.5
Non-ferrous metal products	148.8	162.0	158.0	158.1	163.3	169.3	175.2	177.5
Brass and copper products ...	133.4	149.6	143.9	145.6	146.4	157.2	158.5	161.5
Smelting and refining	161.6	176.0	172.5	172.0	179.6	186.6	194.4	197.5
Electrical apparatus and supplies	223.5	239.2	229.5	225.8	227.3	256.8	258.5	259.5
Heavy electrical machinery ..	154.3	161.0	154.4	155.1	156.7	168.5	169.1	171.5
Telecommunication equipment	546.9	584.0	577.1	530.8	517.4	674.3	639.9	601.5
Refrigerators and appliances	221.6	233.8	226.3	227.0	238.2	243.2	258.3	261.5
Non-metallic mineral products	243.0	277.6	220.0	220.4	243.3	237.8	247.9	251.5
Concrete products	652.3	849.6	560.3	565.7	688.8	567.8	638.7	721.5
Hydraulic cement	246.0	277.5	175.9	179.5	254.8	192.5	220.2	251.5
Domestic clay products	136.7	146.1	113.2	125.7	146.0	117.8	126.4	141.5
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	441.3	427.8	419.7	503.5	479.0	461.5
Electric power	339.2	371.5	386.1	377.8	370.5	429.5	417.8	401.5
Gas	620.1	711.0	936.7	876.6	861.2	1,163.4	1,025.1	981.5

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

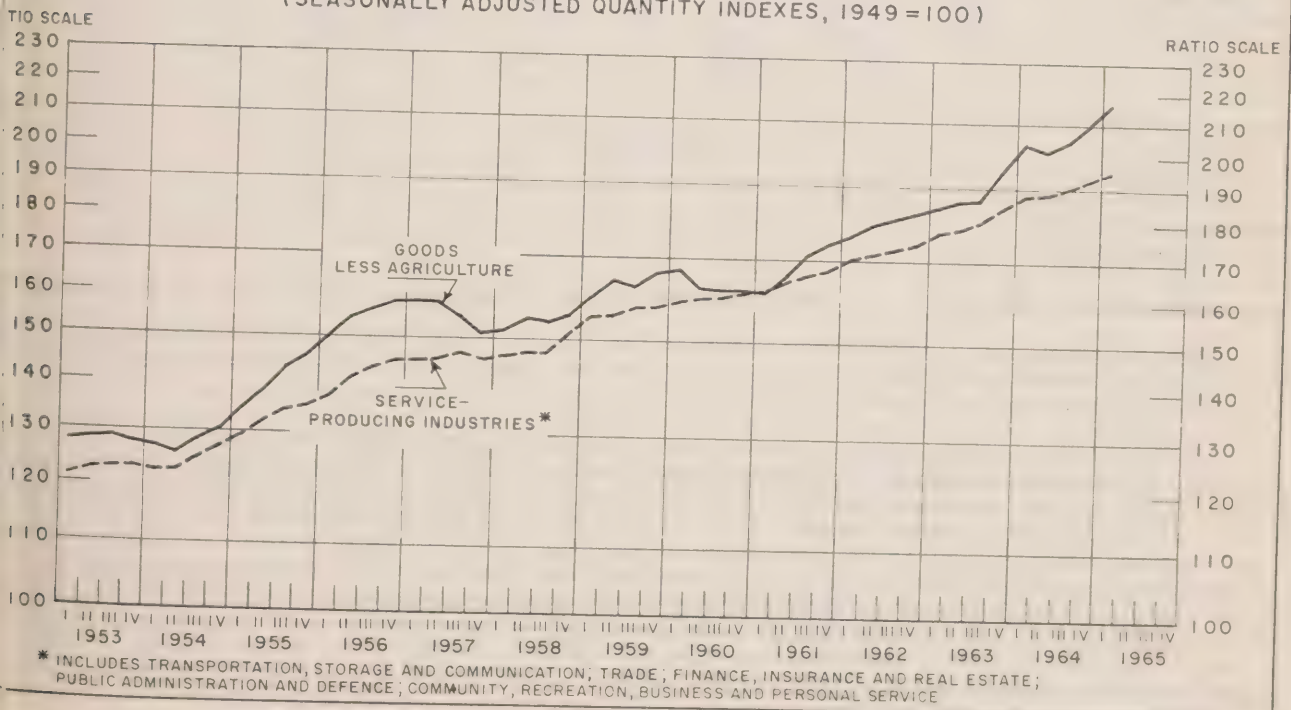
The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1965

The seasonally adjusted index of non-agricultural real output for the first quarter of 1965 was 2.2 per cent above the fourth quarter level, with most of the major industry divisions contributing to this increase.

The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production. During the first quarter of 1965, the expansion was in its sixteenth quarter, and non-agricultural real output had reached a level 27 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course (10 quarters) of the 1954-56 expansion and the 10 per cent advance (in 9 quarters) made during the 1957-60 cyclical upturn.

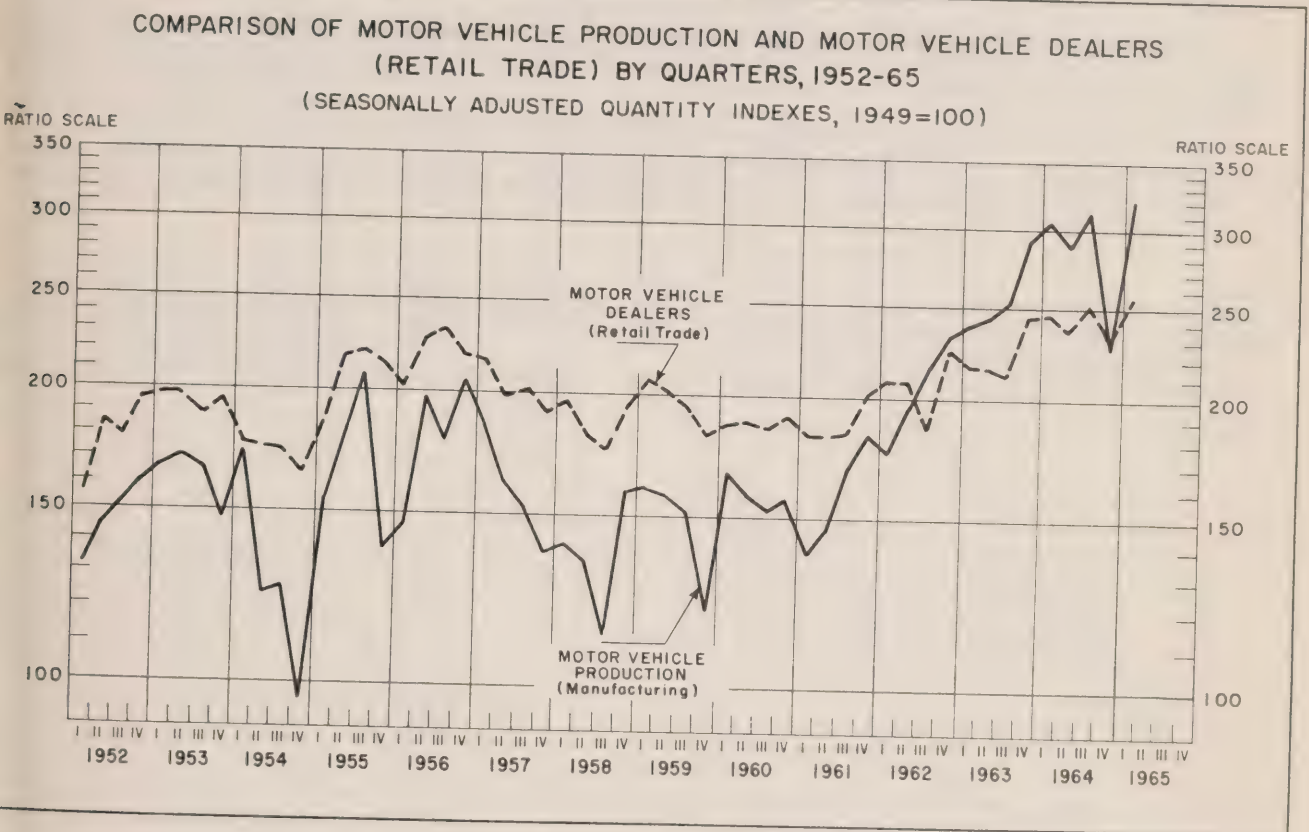
	IQ'61 - IQ'64		IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	20.7	20.7	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6
Forestry	25.2	.5	18.9	.4	29.1	.6	21.3	.4	31.3	-
Fishing and trapping ..	- 7.6	--	- 18.3	- .1	- 15.6	- .1	- 3.5	--	- 10.9	-
Mining	31.3	1.8	29.7	1.7	26.9	1.5	33.6	1.9	37.9	2
Manufacturing	25.9	7.3	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9
Non-durable	17.9	2.8	19.6	3.1	19.8	3.1	24.1	3.8	23.9	3
Durable	36.0	4.5	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5
Construction	23.5	1.7	14.6	1.0	15.8	1.1	25.6	1.8	33.1	2
Electric power and gas utilities	28.4	1.0	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1
Other goods, n.e.c. ...	11.2	.1	13.1	.1	14.1	.1	14.1	.1	14.1	-
Transportation, storage and communication ...	21.6	2.1	24.2	2.3	25.3	2.5	27.1	2.6	27.6	2
Transportation	23.0	1.6	25.5	1.8	26.3	1.9	28.8	2.0	28.9	2
Trade	19.2	3.0	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3
Wholesale	29.1	1.6	26.3	1.4	26.2	1.4	27.7	1.5	36.4	1
Retail	14.0	1.4	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1
Finance, insurance and real estate	15.9	1.7	16.5	1.8	17.7	1.9	19.2	2.1	20.2	2
Public administration and defence	4.3	.2	4.1	.2	3.7	.2	3.8	.2	4.9	-
Community, recreation, business and personal service	13.0	1.4	14.2	1.5	15.4	1.6	16.3	1.7	17.0	1

Manufacturing, trade and construction were the largest contributors to the first quarter gain in non-agricultural output, with manufacturing accounting for almost one third of the advance and the other two groups for about one fifth each.

The 2.5 per cent gain in manufacturing output resulted from a 6 per cent increase in the durable component, as the non-durables group declined fractionally. Within durable manufacturing, most major industry groups showed increases in the quarter, ranging from 0.1 per cent in iron and steel products to 23 per cent in transportation equipment. This latter increase accounted for about four fifths of the gain in durables and can be traced to the attainment of new high levels in motor vehicle and parts production. The next largest contributions to the gain in durables came from electrical apparatus and supplies (up 5 per cent) and non-metallic mineral products, which increased by 5 per cent. The output of the cement and concrete products components of the non-metallic group continued to increase in the first quarter. This is in contrast to the production of many other building materials industries, such as paints and varnishes, roofing paper and wire products, which declined from very high fourth quarter levels. Wood products were the only major industry group to show a decline (-1%), mainly as a result of a drop in the output of sawmills.

The most important single influence in durable manufacturing output in the first quarter was the decrease in motor vehicle and parts production. In the fourth quarter of 1964 output in these industries declined by 27 and 16 per cent, respectively. At that time strikes and layoffs in the automobile industry both in Canada and the United States affected levels of production in these industries particularly strongly. The subsequent increases in motor vehicle output in the first quarter (an all time high reached in March), resulted in a 41 per cent advance from fourth quarter levels and a 2.3 per cent advance from the previous peak attained in the third quarter of 1964. The output of the motor vehicle parts industry advanced by 18 per cent in the first quarter. Jointly the gains in motor vehicle and parts production accounted for almost one third of the advance in total non-agricultural output during the first quarter. In fact, the tremendous expansion in motor vehicle production since early 1961 has been at the base of the growth in durables output during this period, as can be seen by comparing chart 1 with chart depicting durable and non-durable manufacturing (chart 2). During most of the period iron and steel products also contributed strongly to the expansion in durable manufacturing.

HART-1



Within non-durables, increases ranging from one-half to 3 per cent in textiles, paper and petroleum products and printing and publishing were more than offset by declines in all the other major sectors. The 3 per cent decrease in chemical products was the largest contributor to the decline in non-durables. Of its components, paints, varnishes and lacquers showed the sharpest drop, following an increase of about the same magnitude in the preceding quarter. Foods and beverages were about one per cent above fourth quarter levels, with the declines concentrated in foods, such as meat products. Declines of 3 per cent also occurred in tobacco, rubber, leather and clothing products.

As can be seen from charts 2 and 3 below, there are strong similarities in the output movements between durable manufacturing and wholesale trade and between those of non-durables and retail trade. The last two industries are less cyclically sensitive and have not achieved the strong gains shown by the first two during the 1961-65 expansion. In the first quarter the pattern is similar. The 3 per cent increase in trade is largely the result of a 7 per cent increase in wholesale trade, while retail trade

advanced by about one per cent. As in manufacturing, motor vehicles exercised the strongest single influence both on wholesale and on retail trade, as exemplified by an 11 per cent advance in motor vehicle dealer sales in retail trade (see Chart 1). In comparing the growth patterns of motor vehicle production and motor vehicle dealer sales, however, it should be remembered that motor vehicle production includes the production of all vehicles both for domestic use and for export, while the motor vehicle dealer industry, a component of retail trade, in addition to new Canadian-made vehicles, deals in imported vehicles, used cars, gasoline and various goods and services related to these. Elsewhere at the retail trade level, declines occurred in the sales of grocery and combination stores and lumber and building material dealers, as well as department stores. A similar pattern prevailed in wholesale trade.

The transportation, storage and communication group advanced by half of one per cent in the first quarter, mainly as a result of an increase in the output of the communications industries, which, however, was partially offset by a 4 per cent decline in storage. Transportation showed no change from its fourth quarter level, following more than a year of uninterrupted expansion at high levels of activity. Within transportation, declines occurred in railway, air and water transportation, while the rest of the transportation industries showed gains in the first quarter.

Among the remaining industry groups, increases of 2 and 8 per cent occurred in electric power and gas utilities and forestry, while mining advanced by 3 per cent. Both the metal and non-metal mining components showed strong gains in the first quarter but the total advance was somewhat dampened by a 2 per cent decline in fuel mining. Construction was up by 6 per cent, with increases in both residential and non-residential construction. Increases of about one per cent were recorded by the remaining service-industry groups, namely, finance, insurance and real estate, public administration and defence (where the increase occurred at the provincial and municipal levels) and community, recreation, business and personal service.

CHART-2

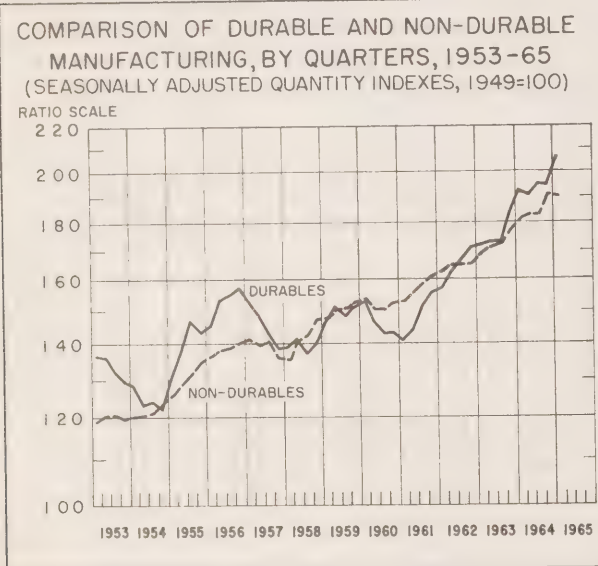


CHART-3

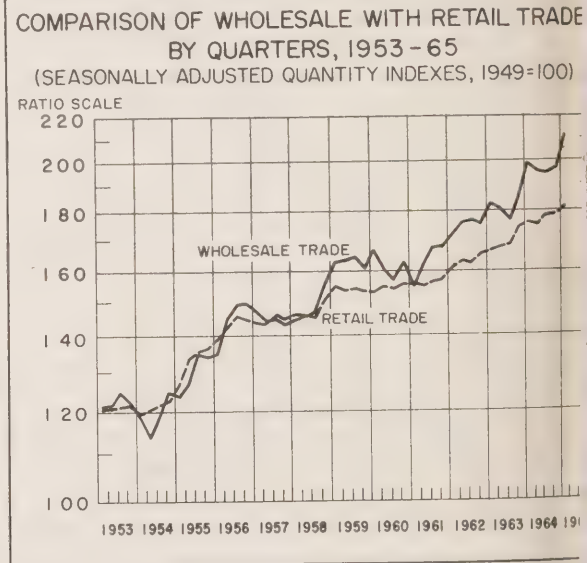


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printin publishin and allie industrie
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.2	219.1	210.9	127.9	179.0	137.0	186.7	171.1
2								
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.4
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.6
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.4
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.1
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.6
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.8
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.1
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.8
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.0
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.2
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.8
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.4
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.0
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.4
1965 - 1	154.6	220.6	219.4	137.6	182.1	136.5	182.2	167.4
2								
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
49 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
52 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
53 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
54 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
55 - 1	317.3	286.9	265.6	206.3	166.6	191.7	221.2	169.8
2								
3								
4								
Without seasonal adjustment								
2	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
3	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
4	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
5								
2 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
3 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
4 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
5 - 1	320.8	288.1	257.2	203.8	168.5	186.0	241.4	169.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
- 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
- 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
- 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
- 1	180.7	208.0	191.5	174.3	216.9	195.0	206.2	197.8	224.7
2									
3									
4									
Without seasonal adjustment									
.....	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
.....	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
.....	176.8	203.0	189.8	171.0	204.6	189.9	198.1	195.1	213.3
.....									
1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	210.8	195.1	221.3
1	157.2	201.6	184.8	169.7	202.1	184.7	192.9	193.6	222.0
2									
3									
4									

cludes transportation, storage and communication; trade; finance, insurance and real estate; public
 ministration and defence; community, recreation, business and personal service.
 ludes public administration and defence; hospitals; education; welfare, religion and other
 community service, n.e.c. and domestic service.

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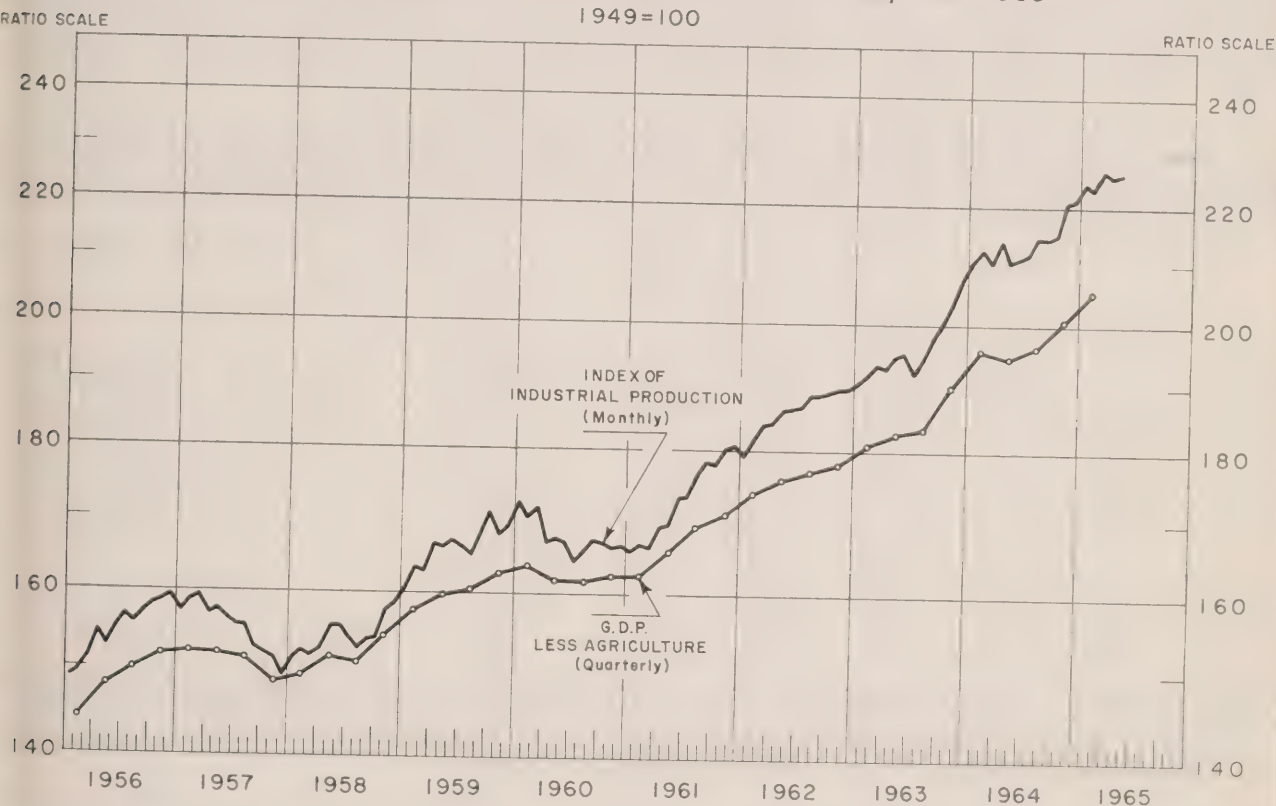
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MAY 1965

The seasonally adjusted index of industrial production was marginally higher in May.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (1st quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

ly 1965
05-502

MAY INDEX OF INDUSTRIAL PRODUCTION

The Index of Industrial Production moved marginally higher in May as gains of about 1% in both manufacturing and electric power and gas utilities were almost offset by a decline of more than 4% in mining output. The total index moved from a level of 225.5 in April to 226.0 in May. The increase in manufacturing in May was entirely concentrated in non-durables where output rose by more than 2%; production in durables was little changed.

Within non-durables, more than one-third of the increase originated in the textile industry, as cotton and woollen goods, and synthetic textiles showed substantial gains. In addition, relatively large increases occurred in tobacco and rubber products and petroleum refining, amounting to 4%, 11% and 7% respectively. Smaller gains of 1% and 2% were recorded in clothing, paper products and chemicals. There were no significant major group declines in non-durable manufacturing in May.

In durables, both electrical apparatus and supplies and transportation equipment moved up by 2%, with the latter reflecting an increase of more than 3% in motor vehicle production. Iron and steel products recorded a 1% rise, as primary iron and steel was the only component in that group to show any real strength. Industries producing building materials generally showed weakness in May; for example, with declines in both veneers and plywood and sawmills, wood products fell by 2%. In addition, non-metallic mineral products dropped for the third consecutive month as almost all components moved lower. Non-ferrous metal products fell in May, largely reflecting a strike in the brass and copper component.

In mining, although there were large movements in many of the detailed industry components, the biggest single influence was an 11% drop in crude petroleum output. The metal mining group moved up by less than 1% as large gains in copper, zinc and lead were almost offset by declines in gold, iron ore and nickel.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1966 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to March which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964	1965				
				Dec.	Jan.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	221.1	224.3	223.1	226.7	225.5	226.0
MINING,	3.245	2	338.1	348.3	343.3	347.5	348.5	333.5
Metals	1.925	2	208.4	231.1	223.6	223.5	215.3	216.9
Gold	0.624	5	87.0	93.3	88.0	87.3	90.9	86.2
Copper	0.356	4	194.1	198.6	197.3	189.9	195.5	219.8
Iron ore	0.099	3	905.8	1,021.0	1,057.0	916.3	868.9	799.8
Nickel	0.337	4	206.4	228.0	208.2	225.3	216.6	202.1
Non-metals	0.268	5	353.2	382.2	399.0	406.6	379.3	363.6
Asbestos	0.214	5	276.3	254.9	267.6	268.3	270.5	262.6
Fuels	0.915	3	577.0	564.8	557.8	569.7	606.2	550.2
Coal	0.553	6	56.4	58.4	58.4	63.9	59.8	53.9
Natural gas	0.035	2	1,514.9	1,371.3	1,338.5	1,460.0	1,517.8	1,561.2
Petroleum	0.327	3	1,355.5	1,334.7	1,318.9	1,329.8	1,432.6	1,281.4
MANUFACTURING, TOTAL	27.340	3	194.4	197.2	195.9	199.4	198.2	200.4
NON-DURABLE MANUFACTURES	14.742	3	192.7	191.4	189.8	188.9	189.4	193.4
Foods and beverages	3.814	4	187.0	187.3	176.3	176.6	178.0	178.6
Foods	2.896	4	181.9	176.7	170.6	174.2	176.8	176.4
Meat products	0.523	4	214.4	197.7	182.6	187.7	183.5	185.9
Dairy products	0.450	3	164.7	172.4	173.7	173.6	172.1	176.6
Canning and processing	0.453	4	191.2	184.5	176.4	190.9	198.2	191.3
Grain mill products	0.322	4	177.2	189.5	188.3	179.6	186.4	181.2
Bakery products	0.558	3	151.9	148.6	147.9	147.4	148.1	147.8
Miscellaneous foods	0.590	4	184.1	174.9	164.9	172.3	179.7	180.7
Beverages	0.918	6	203.4	220.7	194.2	184.3	182.1	185.6
Carbonated beverages	0.231	6	179.9	174.7	208.2	186.1	173.2	197.7
Breweries	0.463	6	176.1	235.3	161.3	168.8	163.8	182.8
Distilleries	0.203	6	296.9	246.7	258.5	222.7	238.4	183.8
Tobacco and tobacco products ..	0.248	6	221.2	217.5	221.0	218.8	216.7	225.0
Rubber products	0.430	3	229.7	209.6	217.6	205.6	208.8	231.3
Leather products	0.508	2	133.4	130.2	125.7	127.8	126.8	125.0
Boots and shoes	0.307	4	144.0	139.6	133.4	135.5	135.9	132.4
Textiles	1.623	3	171.3	176.0	183.7	177.4	171.5	185.2
Cotton goods	0.507	4	112.3	124.2	134.9	132.8	111.0	127.3
Wool goods	0.300	3	83.5	90.4	82.3	88.6	80.9	87.6
Synthetic Textiles and Silk	0.429	3	318.7	317.3	341.7	314.0	319.1	345.2
Clothing	1.801	3	139.0	138.5	136.9	135.6	139.8	141.5
Paper products	2.649	3	187.5	184.4	186.7	189.0	185.6	187.8
Pulp and paper	2.108	3	188.3	187.0	189.3	191.1	186.3	189.0

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1964	1965				
			Dec.	Jan.	Feb.	Mar.	Apr.	May
NON-DURABLE MANUFACTURES - Concluded:								
Printing, publishing and allied industries	1.273	4	161.1	167.8	175.6	170.2	177.0	175.2
Products of petroleum and coal	0.513	3	320.0	325.9	315.1	310.7	302.6	323.9
Petroleum products	0.454	3	346.2	352.8	342.0	336.2	326.9	350.9
Chemicals and allied products	1.359	2	302.6	288.2	284.8	287.6	293.3	299.3
Acids, alkalies, salts and fertilizers	0.346	2	364.4	346.5	350.4	336.3	342.8	356.4
Miscellaneous manufactures	0.524	1	261.7	266.1	264.2	266.4	269.7	267.7
DURABLE MANUFACTURES	12.598	3	196.4	203.9	203.1	211.8	208.6	208.5
Wood products	2.108	2	162.3	168.0	164.3	167.6	173.4	169.9
Saw and planing mills	1.444	3	173.1	180.5	173.6	176.2	183.6	178.6
Veneers and plywoods	0.122	3	401.2	409.0	398.9	404.5	394.9	377.0
Sawmills	0.994	4	158.6	167.6	158.5	162.0	174.7	168.9
Furniture	0.460	2	161.4	164.6	169.9	176.1	179.0	179.1
Iron and steel products	4.026	2	197.0	193.8	188.2	193.9	193.5	194.7
Machinery	0.851	1	190.1	194.3	194.0	196.7	197.8	196.7
Iron castings	0.387	3	196.3	184.0	171.5	189.5	180.7	182.3
Primary iron and steel	0.845	2	265.4	250.6	248.6	260.7	260.8	267.0
Sheet metal products	0.359	1	177.9	178.8	173.0	173.5	179.1	177.6
Transportation equipment	2.651	4	168.6	210.4	214.5	238.9	225.8	229.8
Aircraft and parts	0.203	1	270.7	265.6	258.9	264.3	240.4	232.0
Motor vehicles	1.035	4	208.8	295.4	305.6	359.1	329.9	340.9
Motor vehicle parts	0.462	2	173.2	229.2	236.8	249.5	246.9	250.1
Railway rolling stock	0.621	1	49.7	50.4	49.5	50.5	52.0	51.9
Shipbuilding and repairs	0.261	1	201.8	201.4	197.8	204.6	207.1	204.8
Non-ferrous metal products	1.601	3	172.5	165.6	168.0	175.9	171.9	168.3
Brass and copper products ...	0.241	1	159.9	163.2	160.1	160.9	157.3	143.4
Smelting and refining	1.028	3	189.8	177.5	182.6	193.6	188.1	185.4
Electrical apparatus and supplies	1.418	2	250.9	256.0	256.3	264.4	267.0	271.8
Heavy electrical machinery ..	0.489	1	164.3	169.3	170.9	172.6	175.2	174.9
Telecommunication equipment	0.142	3	648.2	674.9	650.9	666.1	671.3	701.1
Refrigerators and appliances	0.227	3	233.1	231.6	240.3	256.1	252.3	265.5
Non-metallic mineral products	0.794	2	327.7	313.6	319.8	307.3	290.3	278.6
Concrete products	0.098	4	1,083.9	995.6	996.1	908.5	871.0	799.9
Hydraulic cement	0.117	5	355.4	350.8	326.3	344.6	301.2	292.3
Domestic clay products	0.083	3	149.8	168.0	156.2	164.2	160.4	143.7
ELECTRIC POWER AND GAS UTILITIES	1.646	2	434.1	429.6	437.4	441.8	436.3	440.3
Electric power	1.480	2	397.5	395.3	403.3	404.3	396.7	396.9
Gas	0.166	3	762.0	735.2	741.0	776.6	789.0	827.0

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			Mar.	Apr.	May	Mar.	Apr.	May
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	209.0	212.0	213.1	226.7	224.2	228.8
MINING,	294.4	326.5	307.3	309.7	328.4	333.5	329.6	338.1
Metals	193.8	210.7	191.5	215.6	221.2	204.6	208.7	227.5
Gold	95.5	91.0	90.9	96.0	88.9	86.5	94.0	85.7
Copper	174.0	186.4	179.5	176.9	180.9	185.3	189.6	213.0
Iron ore	670.8	834.2	614.3	736.9	1,043.3	613.9	695.1	943.8
Nickel	171.0	181.2	170.8	185.6	193.0	219.2	220.9	215.8
Non-metals	228.1	324.9	297.7	325.8	329.4	360.5	378.1	376.1
Asbestos	239.1	259.9	246.8	272.1	364.5	269.4	281.3	268.6
Fuels	513.6	554.7	559.8	498.6	633.8	600.4	563.6	528.1
Coal	52.0	55.1	54.2	51.6	48.8	62.2	55.6	49.4
Natural gas	1,179.8	1,382.3	1,456.7	1,382.6	1,253.5	1,619.1	1,542.1	1,425.4
Petroleum	1,221.6	1,300.8	1,317.4	1,158.4	1,275.5	1,401.6	1,318.0	1,241.7
MANUFACTURING, TOTAL	173.9	188.2	184.2	188.0	189.7	198.9	197.5	204.4
NON-DURABLE MANUFACTURES	172.2	184.5	178.0	181.5	180.9	186.7	185.8	192.0
Foods and beverages	162.1	174.1	149.8	159.7	171.1	157.0	162.4	175.9
Foods	157.2	170.0	144.4	152.6	163.9	153.1	158.4	170.0
Meat products	163.6	182.8	166.3	181.0	172.7	187.7	186.6	185.5
Dairy products	163.5	171.5	154.4	166.2	191.2	158.3	169.0	190.7
Canning and processing	165.4	174.9	86.3	91.7	140.2	96.2	101.1	146.0
Grain mill products	145.9	182.5	189.8	179.7	183.4	181.8	180.9	182.0
Bakery products	138.8	147.7	131.3	141.2	145.0	136.6	144.5	148.3
Miscellaneous foods	164.3	169.3	149.2	159.9	160.7	162.1	170.4	172.7
Beverages	177.6	187.3	167.1	181.8	193.9	169.2	175.0	194.7
Carbonated beverages	178.7	181.0	137.9	173.0	181.0	143.1	155.9	199.1
Breweries	159.9	168.2	176.2	179.3	185.5	173.4	175.6	202.7
Distilleries	220.3	242.5	185.3	205.1	236.6	196.0	202.4	180.5
Tobacco and tobacco products	207.7	214.0	183.6	211.5	218.3	224.7	218.4	235.6
Rubber products	190.5	213.8	218.2	227.7	213.2	216.7	213.6	235.2
Leather products	127.0	130.9	142.1	136.6	131.1	140.4	131.2	123.5
Boots and shoes	136.9	139.3	159.0	149.3	139.9	155.8	143.1	130.9
Textiles	159.5	172.2	173.8	183.0	171.3	181.2	175.0	188.1
Cotton goods	109.6	120.1	116.9	139.0	118.9	135.9	115.4	126.4
Wool goods	89.8	89.8	88.8	100.5	93.1	84.3	76.9	90.2
Synthetic textiles and silk	281.0	306.8	319.1	318.8	302.5	329.7	331.5	355.6
Clothing	137.0(1)	135.8	142.3	128.7	110.9	145.8	134.9	118.9
Paper products	164.3	179.0	175.8	179.8	176.0	189.6	184.6	189.8
Pulp and paper	163.8	180.0	177.2	183.0	178.2	193.6	186.3	191.6

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Mar.	Apr.	May	Mar.	Apr.	May
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	163.3	174.5	180.3	171.3	179.7	181.0
Products of petroleum and coal	296.0	304.2	296.5	283.3	279.7	309.0	282.6	300.8
Petroleum products	319.7	329.5	320.3	305.5	301.0	334.2	304.3	324.6
Chemicals and allied products	249.1	279.0	283.0	278.6	280.4	295.6	306.4	312.3
Acids, alkalies, salts and fertilizers	302.0	331.7	339.8	340.3	335.3	368.9	373.7	379.9
Miscellaneous manufactures	246.6	261.9	250.2	249.4	254.0	258.9	261.1	262.1
DURABLE MANUFACTURES	175.9	192.7	191.4	195.5	200.1	213.1	211.1	219.4
Wood products	159.0	165.1	172.4	155.7	161.8	173.3	161.1	167.1
Saw and planing mills	172.1	179.3	192.2	167.9	175.9	187.5	168.5	176.1
Veneers and plywoods	358.8	399.3	417.6	424.9	391.7	422.7	415.0	378.1
Sawmills	162.3	167.0	184.4	149.7	165.5	179.7	153.7	168.1
Furniture	153.0	157.9	151.1	150.9	152.9	168.5	171.1	173.1
Iron and steel products	161.8	182.4	176.6	182.9	187.7	193.5	195.4	202.1
Machinery	160.2	179.2	168.1	171.3	174.7	193.2	195.8	196.1
Iron castings	151.1	180.7	173.1	198.5	217.1	208.5	200.0	202.1
Primary iron and steel	216.9	244.9	236.0	257.2	258.4	259.4	268.6	285.1
Sheet metal products	156.9	164.3	152.9	154.9	159.9	164.5	172.7	177.1
Transportation equipment	181.4	198.5	221.8	234.2	234.9	263.8	258.8	268.1
Aircraft and parts	233.8	270.9	263.8	265.0	269.6	266.9	238.7	230.1
Motor vehicles	257.6	276.1	341.3	368.7	364.2	420.1	409.1	430.1
Motor vehicle parts	179.5	215.6	216.6	222.3	227.8	256.0	257.3	262.1
Railway rolling stock	41.1	47.3	45.6	45.5	46.3	49.7	50.7	50.1
Shipbuilding and repairs	197.2	187.6	175.0	180.6	190.2	204.6	213.3	215.1
Non-ferrous metal products	148.8	162.0	158.1	163.3	162.2	175.2	175.3	170.1
Brass and copper products ...	133.4	149.6	145.6	146.4	150.3	158.5	155.6	144.1
Smelting and refining	161.6	176.0	172.0	179.6	176.5	194.4	194.5	189.1
Electrical apparatus and supplies	223.5	239.2	225.8	227.3	227.8	258.9	257.9	261.1
Heavy electrical machinery ..	154.3	161.0	155.1	156.7	158.4	169.1	172.0	173.1
Telecommunication equipment	546.9	584.0	530.8	517.4	520.2	637.5	606.9	624.1
Refrigerators and appliances	221.6	233.8	227.0	238.2	236.0	262.5	258.4	266.1
Non-metallic mineral products	243.0	277.6	220.4	243.3	275.6	242.7	253.3	299.1
Concrete products	652.3	849.6	565.7	688.8	859.2	638.7	722.9	933.1
Hydraulic cement	246.0	277.5	179.5	254.8	310.8	220.2	250.0	336.1
Domestic clay products	136.7	146.1	125.7	146.0	160.4	126.4	144.4	154.1
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	427.8	419.7	374.2	478.9	460.1	419.1
Electric power	339.2	371.5	377.8	370.5	349.2	417.6	401.1	384.1
Gas	620.1	711.0	876.6	861.2	598.4	1,025.1	986.3	729.1

Real Domestic Product less Agriculture

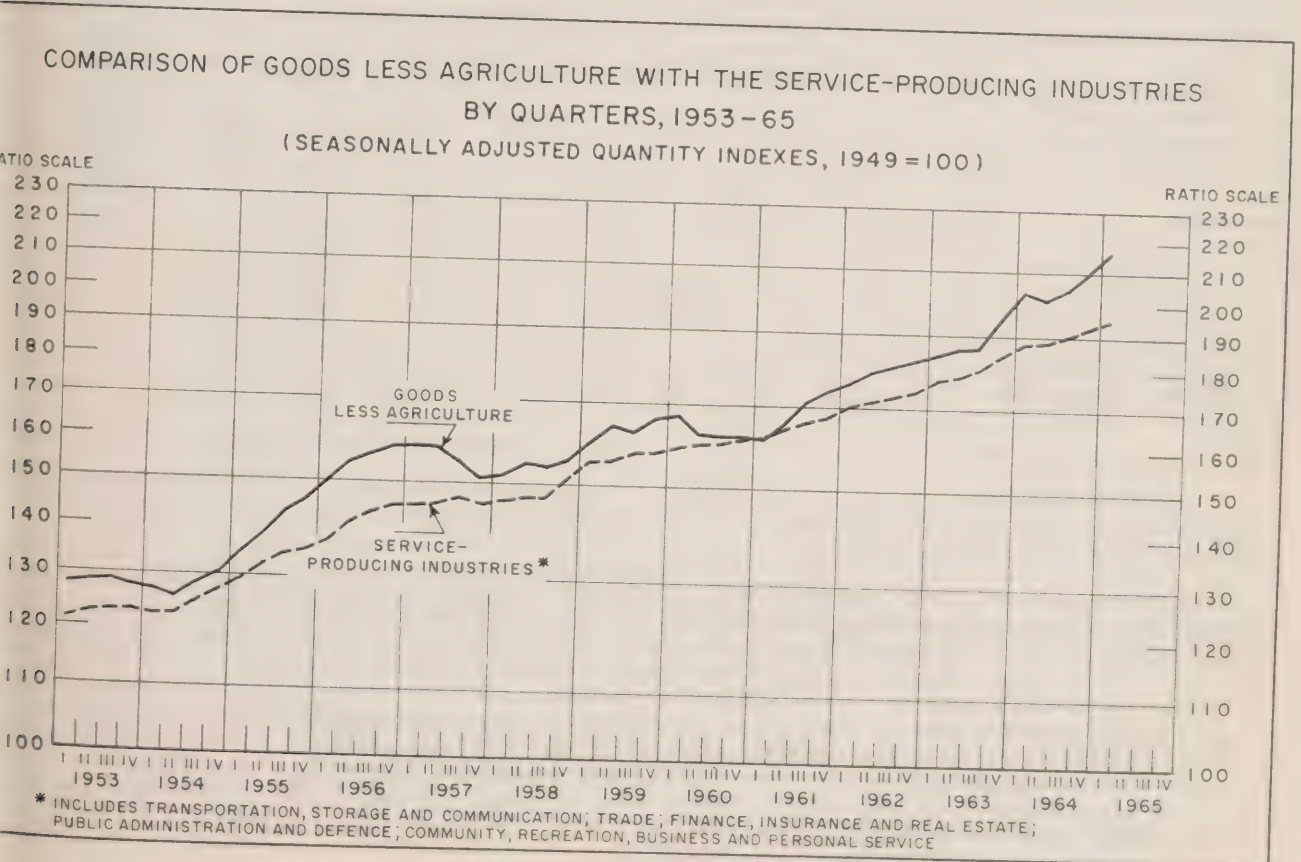
Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.



REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1965

The seasonally adjusted index of non-agricultural real output for the first quarter of 1965 was 2.2 per cent above the fourth quarter level, with most of the major industry divisions contributing to this increase.

The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production. During the first quarter of 1965, the expansion was in its sixteenth quarter, and non-agricultural real output had reached a level 27 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course (10 quarters) of the 1954-56 expansion and the 10 per cent advance (in 9 quarters) made during the 1957-60 cyclical upturn.

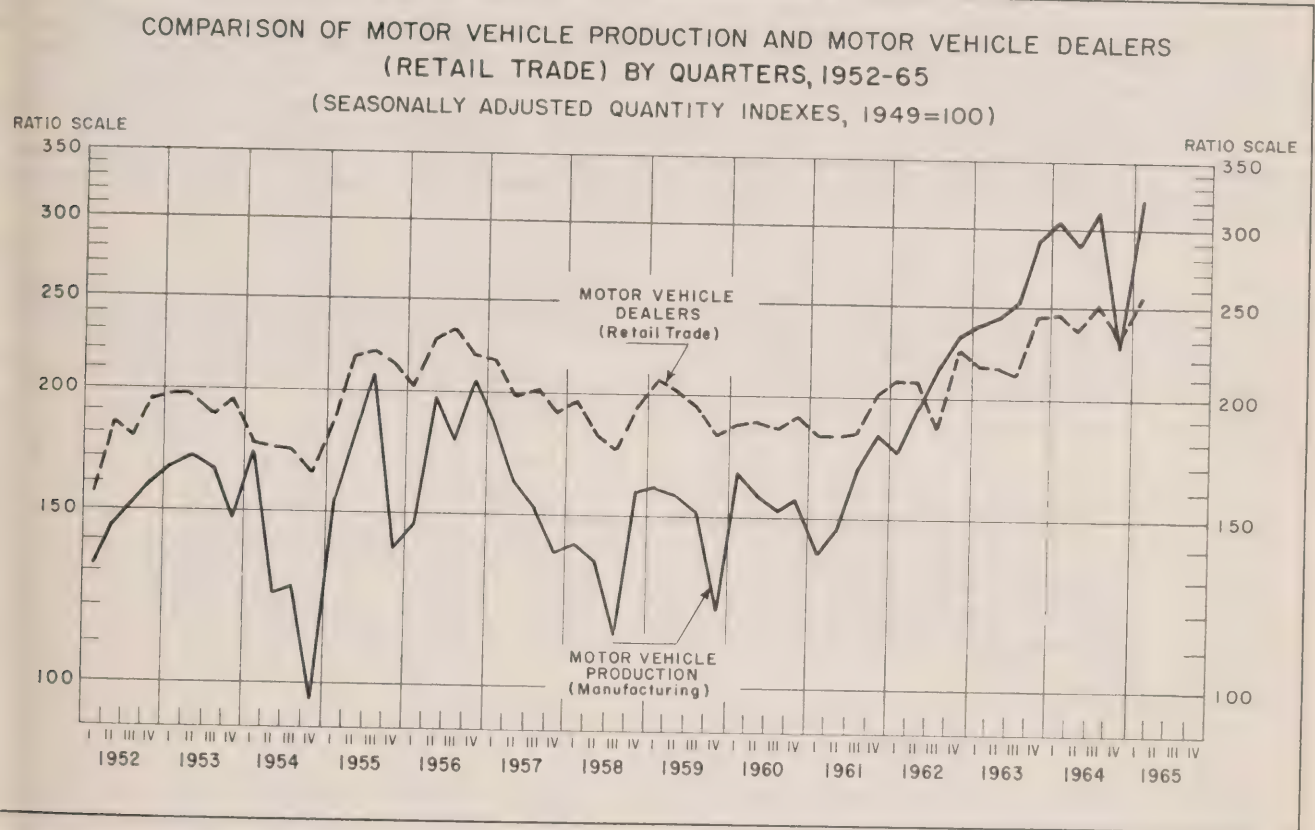
	IQ'61 - IQ'64		IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product										
less agriculture	20.7	20.7	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6
Forestry	25.2	.5	18.9	.4	29.1	.6	21.3	.4	31.3	.1
Fishing and trapping ..	- 7.6	--	- 18.3	- .1	- 15.6	- .1	- 3.5	--	- 10.9	- .1
Mining	31.3	1.8	29.7	1.7	26.9	1.5	33.6	1.9	37.9	2.1
Manufacturing	25.9	7.3	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9.1
Non-durable	17.9	2.8	19.6	3.1	19.8	3.1	24.1	3.8	23.9	3.1
Durable	36.0	4.5	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5.1
Construction	23.5	1.7	14.6	1.0	15.8	1.1	25.6	1.8	33.1	2.1
Electric power and gas										
utilities	28.4	1.0	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1.1
Other goods, n.e.c. ...	11.2	.1	13.1	.1	14.1	.1	14.1	.1	14.1	.1
Transportation, storage										
and communication ...	21.6	2.1	24.2	2.3	25.3	2.5	27.1	2.6	27.6	2.1
Transportation	23.0	1.6	25.5	1.8	26.3	1.9	28.8	2.0	28.9	2.1
Trade	19.2	3.0	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3.1
Wholesale	29.1	1.6	26.3	1.4	26.2	1.4	27.7	1.5	36.4	1.1
Retail	14.0	1.4	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1.1
Finance, insurance and										
real estate	15.9	1.7	16.5	1.8	17.7	1.9	19.2	2.1	20.2	2.1
Public administration										
and defence	4.3	.2	4.1	.2	3.7	.2	3.8	.2	4.9	.1
Community, recreation,										
business and personal										
service	13.0	1.4	14.2	1.5	15.4	1.6	16.3	1.7	17.0	1.1

Manufacturing, trade and construction were the largest contributors to the first quarter gain in non-agricultural output, with manufacturing accounting for almost one third of the advance and the other two groups for about one fifth each.

The 2.5 per cent gain in manufacturing output resulted from a 6 per cent increase in the durable component, as the non-durables group declined fractionally. Within durable manufacturing, most major industry groups showed increases in the quarter, ranging from 0.1 per cent in iron and steel products to 23 per cent in transportation equipment. This latter increase accounted for about four fifths of the gain in durables and can be traced to the attainment of new high levels in motor vehicle and parts production. The next largest contributions to the gain in durables came from electrical apparatus and supplies (up 5 per cent) and non-metallic mineral products, which increased by 5 per cent. The output of the cement and concrete products components of the non-metallic group continued to increase in the first quarter. This is in contrast to the production of many other building materials industries, such as paints and varnishes, roofing paper and wire products, which declined from very high fourth quarter levels. Wood products were the only major industry group to show a decline (-1%), mainly as a result of a drop in the output of sawmills.

The most important single influence in durable manufacturing output in the first quarter was the increase in motor vehicle and parts production. In the fourth quarter of 1964 output in these industries had declined by 27 and 16 per cent, respectively. At that time strikes and layoffs in the automobile industry both in Canada and the United States affected levels of production in these industries particularly strongly. The subsequent increases in motor vehicle output in the first quarter (an all time high reached in March), resulted in a 41 per cent advance from fourth quarter levels and a 2.3 per cent gain from the previous peak attained in the third quarter of 1964. The output of the motor vehicle parts industry advanced by 18 per cent in the first quarter. Jointly the gains in motor vehicle and parts production accounted for almost one third of the advance in total non-agricultural output during the first quarter. In fact, the tremendous expansion in motor vehicle production since early 1961 has been the base of the growth in durables output during this period, as can be seen by comparing chart 1 with that depicting durable and non-durable manufacturing (chart 2). During most of the period iron and steel products also contributed strongly to the expansion in durable manufacturing.

CHART-1



Within non-durables, increases ranging from one-half to 3 per cent in textiles, paper and petroleum products and printing and publishing were more than offset by declines in all the other major groups. The 3 per cent decrease in chemical products was the largest contributor to the decline in non-durables. Of its components, paints, varnishes and lacquers showed the sharpest drop, following an increase of about the same magnitude in the preceding quarter. Foods and beverages were about one per cent below fourth quarter levels, with the declines concentrated in foods, such as meat products. Declines of 3 per cent also occurred in tobacco, rubber, leather and clothing products.

As can be seen from charts 2 and 3 below, there are strong similarities in the output movements between durable manufacturing and wholesale trade and between those of non-durables and retail trade. The last two industries are less cyclically sensitive and have not achieved the strong gains shown by the other two during the 1961-65 expansion. In the first quarter the pattern is similar. The 3 per cent increase in trade is largely the result of a 7 per cent increase in wholesale trade, while retail trade

advanced by about one per cent. As in manufacturing, motor vehicles exercised the strongest single influence both on wholesale and on retail trade, as exemplified by an 11 per cent advance in motor vehicle dealer sales in retail trade (see Chart 1). In comparing the growth patterns of motor vehicle production and motor vehicle dealer sales, however, it should be remembered that motor vehicle product includes the production of all vehicles both for domestic use and for export, while the motor vehicle dealer industry, a component of retail trade, in addition to new Canadian-made vehicles, deals in imported vehicles, used cars, gasoline and various goods and services related to these. Elsewhere at the retail trade level, declines occurred in the sales of grocery and combination stores and lumber and building material dealers, as well as department stores. A similar pattern prevailed in wholesale trade.

The transportation, storage and communication group advanced by half of one per cent in the first quarter, mainly as a result of an increase in the output of the communications industries, which, however, was partially offset by a 4 per cent decline in storage. Transportation showed no change from the fourth quarter level, following more than a year of uninterrupted expansion at high levels of activity. Within transportation, declines occurred in railway, air and water transportation, while the rest of the transportation industries showed gains in the first quarter.

Among the remaining industry groups, increases of 2 and 8 per cent occurred in electric power, gas utilities and forestry, while mining advanced by 3 per cent. Both the metal and non-metal mining components showed strong gains in the first quarter but the total advance was somewhat dampened by a 2 per cent decline in fuel mining. Construction was up by 6 per cent, with increases in both residential and non-residential construction. Increases of about one per cent were recorded by the remaining service-industry groups, namely, finance, insurance and real estate, public administration and defence (where the increase occurred at the provincial and municipal levels) and community, recreation, business and personal service.

CHART-2

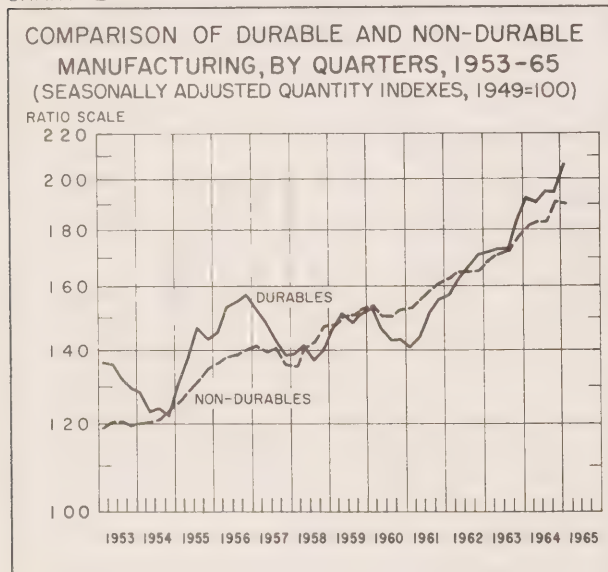


CHART-3

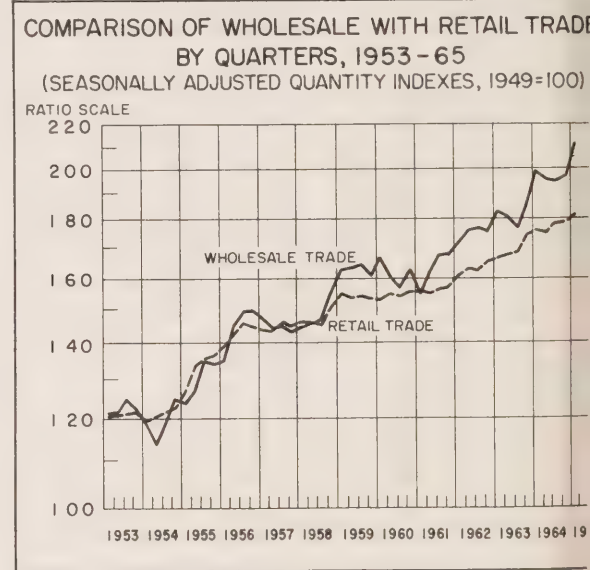


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.2	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2								
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.6	220.6	219.4	137.6	182.1	136.5	182.2	167.1
2								
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
62 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
63 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
64 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
65 - 1	317.3	286.9	265.6	206.3	166.6	191.7	221.2	169.8
2								
3								
4								
	Without seasonal adjustment							
62	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
63	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
64	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
65								
62 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
63 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
64 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
65 - 1	320.8	288.1	257.2	203.8	168.5	186.0	241.4	169.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
2 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
3 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
4 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
5 - 1	180.7	208.0	191.5	174.3	216.9	195.0	206.2	197.8	224.7
2									
3									
4									
Without seasonal adjustment									
.....	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
.....	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
.....	176.8	203.0	189.8	171.0	204.6	189.9	197.0 ^r	195.1	213.3
.....									
1 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
1 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7 ^r	195.1	221.3
1 - 1	157.2	201.6	184.8	169.7	202.1	184.7	192.9	193.6	222.0
2									
3									
4									

includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.
revised figures.

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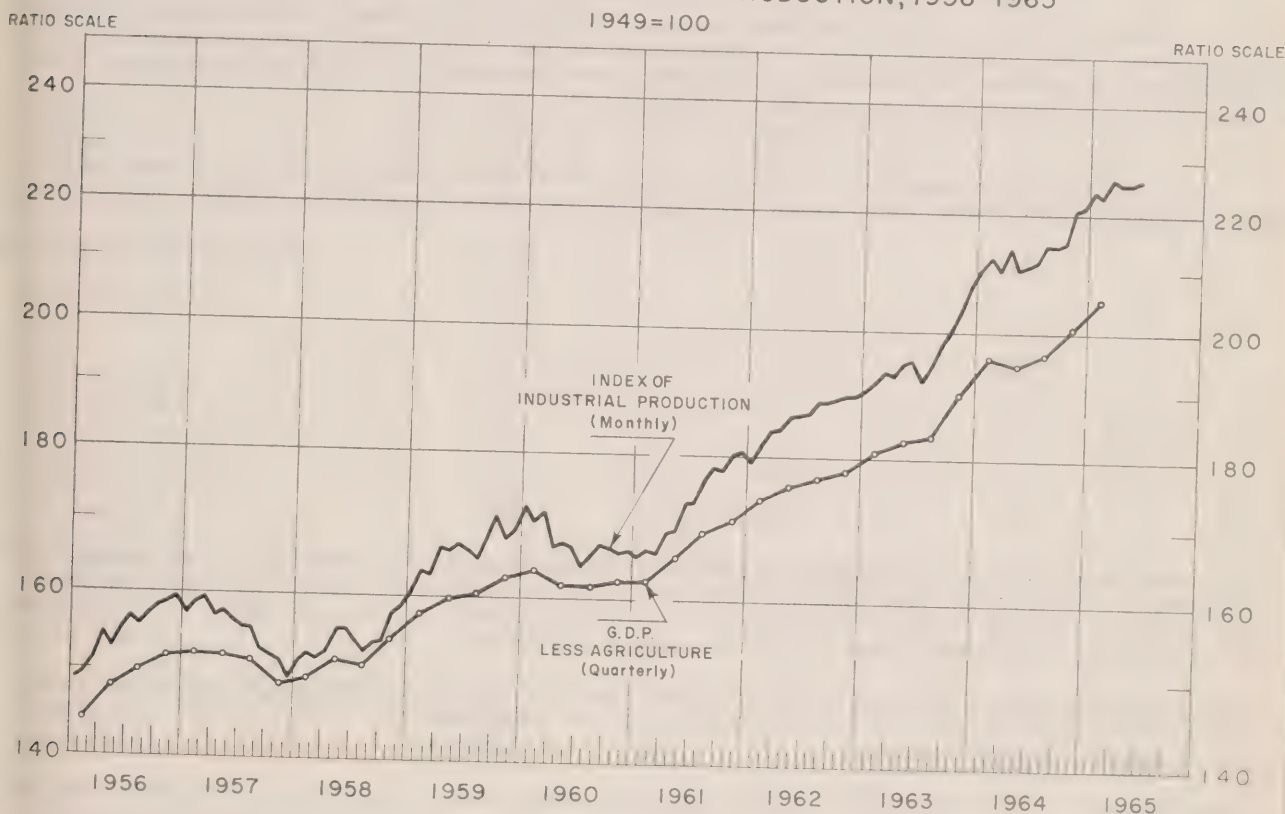
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JUNE 1965

The seasonally adjusted index of industrial production was marginally higher in June.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (1st quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

August 1965
65-502

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

JUNE INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production rose by 0.3% in June to 226.1 from the revised May level of 225.5. In terms of contribution, the gain was about equally divided between manufacturing and mining, with the former advancing by 0.2% and the latter by almost 1%. Electric power and gas utilities showed little change in June.

On a quarterly seasonally adjusted basis, the following percentage changes are indicated from the first to the second quarter, for the total index of production and its main components; total index of industrial production (+0.4%), manufacturing (+1.1%), mining (-2.1%), electric power and gas utilities (-0.5%), durables (+1.5%) and non-durables (+0.6%).

Returning to the changes in June from the previous month, durable manufacturing advanced by more than 1% although the gain left this aggregate slightly lower still than its previous peak in March. The big contributors to the June increase were transportation equipment (with motor vehicles accounting for better than one-half of this) and iron and steel. The latter was led by a large gain in the iron castings industry. Primary iron and steel moved slightly higher. Increases of lesser importance were registered by non-metallic mineral products and non-ferrous metal products. On the other hand, wood products and electrical apparatus each declined by 2%.

The decline of almost 1% in non-durables emanated largely from foods and beverages (-2%) and rubber products. The latter was substantially affected by labour disputes. Clothing products also contributed to the decline. Elsewhere, changes were relatively small at the major group level with the exception of an unusual gain in printing and publishing.

The gain in mining originated largely in crude petroleum to bring total fuels higher by 4%. This was offset to some extent by a decline in copper output, from the high May level.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1964 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to March which have not been incorporated in the latter table.
4. Indexes for Gross Domestic Product (less agriculture) and its components for the second quarter (together with first quarter revisions) will appear in the forthcoming July issue of this report.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Jan.	Feb.	Mar.	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	224.3	223.1	226.7	225.5	225.5	226.1
MINING,	3.245	2	348.3	343.3	347.5	348.7	332.9	336.0
Metals	1.925	2	231.1	223.6	223.5	215.3	216.8	211.3
Gold	0.624	5	93.3	88.0	87.3	90.9	86.2	90.1
Copper	0.356	4	198.6	197.3	189.9	195.5	219.8	179.3
Iron ore	0.099	3	1,021.0	1,057.0	916.3	868.9	801.4	775.0
Nickel	0.337	4	228.0	208.2	225.3	216.6	202.1	202.8
Non-metals	0.268	5	382.2	399.0	406.6	379.3	372.6	381.0
Asbestos	0.214	5	254.9	267.6	268.3	270.5	262.6	280.2
Fuels	0.915	3	564.8	557.8	569.7	603.8	550.2	571.5
Coal	0.553	6	58.4	58.4	63.9	59.8	53.9	56.3
Natural gas	0.035	2	1,371.3	1,338.5	1,460.0	1,453.2	1,561.2	1,547.8
Petroleum	0.327	3	1,334.7	1,318.9	1,329.8	1,432.9	1,281.4	1,338.3
MANUFACTURING, TOTAL	27.340	3	197.2	195.9	199.4	198.2	200.2	200.6
NON-DURABLE MANUFACTURES	14.742	3	191.4	189.8	188.9	189.3	193.2	191.6
Foods and beverages	3.814	4	187.3	176.3	176.6	177.8	178.3	175.1
Foods	2.896	4	176.7	170.6	174.2	176.4	175.9	173.0
Meat products	0.523	4	197.7	182.6	187.7	183.5	185.9	182.7
Dairy products	0.450	3	172.4	173.7	173.6	172.1	176.6	170.3
Canning and processing	0.453	4	184.5	176.4	190.9	196.3	188.6	182.6
Grain mill products	0.322	4	189.5	188.3	179.6	186.6	181.7	179.1
Bakery products	0.558	3	148.6	147.9	147.4	148.0	147.4	147.8
Miscellaneous foods	0.590	4	174.9	164.9	172.3	179.5	180.7	179.7
Beverages	0.918	6	220.7	194.2	184.3	182.1	185.8	181.6
Carbonated beverages	0.231	6	174.7	208.2	186.1	173.2	197.7	179.3
Breweries	0.463	6	235.3	161.3	168.8	163.8	182.8	165.7
Distilleries	0.203	6	246.7	258.5	222.7	238.4	183.8	225.1
Tobacco and tobacco products ..	0.248	6	217.5	221.0	218.8	216.7	225.0	223.2
Rubber products	0.430	3	209.6	217.6	205.6	208.8	231.3	185.8
Leather products	0.508	2	130.2	125.7	127.8	126.8	125.0	124.4
Boots and shoes	0.307	4	139.6	133.4	135.5	135.9	132.4	130.1
Textiles	1.623	3	176.0	183.7	177.4	171.1	185.2	182.7
Cotton goods	0.507	4	124.2	134.9	132.8	111.0	127.3	118.2
Wool goods	0.300	3	90.4	82.3	88.6	80.9	87.6	88.7
Synthetic Textiles and Silk	0.429	3	317.3	341.7	314.0	319.1	348.6	349.1
Clothing	1.801	3	138.5	136.9	135.6	139.8	139.4	135.2
Paper products	2.649	3	184.4	186.7	189.0	185.6	187.5	188.9
Pulp and paper	2.108	3	187.0	189.3	191.1	186.3	189.0	191.3

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Jan.	Feb.	Mar.	Apr.	May	June
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	167.8	175.6	170.2	177.0	174.5	186.7
Products of petroleum and coal	0.513	3	325.9	315.1	310.7	302.6	323.9	324.0
Petroleum products	0.454	3	352.8	342.0	336.2	326.9	350.9	351.7
Chemicals and allied products	1.359	2	288.2	284.8	287.6	293.3	301.4	302.2
Acids, alkalies, salts and fertilizers	0.346	2	346.5	350.4	336.3	342.8	356.6	374.1
Miscellaneous manufactures	0.524	1	266.1	264.2	266.4	269.7	266.6	265.0
DURABLE MANUFACTURES	12.598	3	203.9	203.1	211.8	208.6	208.5	211.1
Wood products	2.108	2	168.0	164.3	167.6	173.2	169.0	165.2
Saw and planing mills	1.444	3	180.5	173.6	176.2	183.4	177.9	173.2
Veneers and plywoods	0.122	3	409.0	398.9	404.5	394.9	377.0	378.2
Sawmills	0.994	4	167.6	158.5	162.0	174.7	168.9	163.2
Furniture	0.460	2	164.6	169.9	176.1	178.8	177.6	176.1
Iron and steel products	4.026	2	193.8	188.2	193.9	193.6	195.1	198.6
Machinery	0.851	1	194.3	194.0	196.7	198.3	198.2	200.6
Iron castings	0.387	3	184.0	171.5	189.5	180.7	183.5	206.4
Primary iron and steel	0.845	2	250.6	248.6	260.7	260.8	267.0	268.2
Sheet metal products	0.359	1	178.8	173.0	173.5	179.1	180.7	178.4
Transportation equipment	2.651	4	210.4	214.5	238.9	225.8	228.9	237.2
Aircraft and parts	0.203	1	265.6	258.9	264.3	240.3	232.0	280.1
Motor vehicles	1.035	4	295.4	305.6	359.1	329.9	340.9	351.7
Motor vehicle parts	0.462	2	229.2	236.8	249.5	247.1	250.3	257.1
Railway rolling stock	0.621	1	50.4	49.5	50.5	52.0	50.8	49.4
Shipbuilding and repairs	0.261	1	201.4	197.8	204.6	207.1	198.8	194.2
Non-ferrous metal products	1.601	3	165.6	168.0	175.9	172.1	168.4	170.2
Brass and copper products ...	0.241	1	163.2	160.1	160.9	157.3	143.4	136.6
Smelting and refining	1.028	3	177.5	182.6	193.6	188.1	185.4	190.0
Electrical apparatus and supplies	1.418	2	256.0	256.3	264.4	267.3	272.3	268.2
Heavy electrical machinery ..	0.489	1	169.3	170.9	172.6	176.0	176.7	176.8
Telecommunication equipment	0.142	3	674.9	650.9	666.1	671.3	694.3	674.8
Refrigerators and appliances	0.227	3	231.6	240.3	256.1	252.5	267.7	252.6
Non-metallic mineral products	0.794	2	313.6	319.8	307.3	290.3	280.1	289.8
Concrete products	0.098	4	995.6	996.1	908.5	871.0	799.9	859.5
Hydraulic cement	0.117	5	350.8	326.3	344.6	301.2	292.3	282.3
Domestic clay products	0.083	3	168.0	156.2	164.2	160.4	143.9	136.6
ELECTRIC POWER AND GAS UTILITIES	1.646	2	429.6	437.4	441.8	435.8	433.0	433.5
Electric power	1.480	2	395.3	403.3	404.3	395.4	396.9	397.5
Gas	0.166	3	735.2	741.0	776.6	795.8	754.6	754.9

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			Apr.	May	June	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	212.0	213.1	220.5	224.1	228.2	234.9
MINING,	294.4	326.5	309.7	328.4	345.5	328.9	337.4	352.0
Metals	193.8	210.7	215.6	221.2	236.0	208.7	227.4	232.6
Gold	95.5	91.0	96.0	88.9	89.3	94.0	85.7	89.7
Copper	174.0	186.4	176.9	180.9	198.3	189.6	213.0	193.5
Iron ore	670.8	834.2	736.9	1,043.3	1,077.3	695.1	945.6	999.8
Nickel	171.0	181.2	185.6	193.0	182.1	220.9	215.8	203.2
Non-metals	228.1	324.9	325.8	329.4	329.5	378.1	385.6	412.2
Asbestos	239.1	259.9	272.1	264.5	266.4	281.3	268.6	280.8
Fuels	513.6	554.7	498.6	533.8	548.4	561.2	528.1	554.0
Coal	52.0	55.1	51.6	48.8	55.3	55.6	49.4	51.7
Natural gas	1,179.8	1,382.3	1,382.6	1,253.5	1,196.8	1,476.5	1,425.4	1,312.5
Petroleum	1,221.6	1,300.8	1,158.4	1,275.5	1,311.5	1,318.3	1,241.7	1,322.2
MANUFACTURING, TOTAL	173.9	188.2	188.0	189.7	196.7	197.5	204.2	211.4
NON-DURABLE MANUFACTURES	172.2	184.5	181.5	180.9	189.1	185.8	191.6	196.9
Foods and beverages	162.1	174.1	159.7	171.1	187.2	162.6	176.2	190.1
Foods	157.2	170.0	152.6	163.9	177.1	158.7	170.3	180.9
Meat products	163.6	182.8	181.0	172.7	175.5	186.6	185.5	178.9
Dairy products	163.5	171.5	166.2	191.2	216.6	169.0	190.7	220.0
Canning and processing	165.4	174.9	91.7	140.2	176.0	103.1	148.3	179.5
Grain mill products	145.9	182.5	179.7	183.4	185.7	181.1	182.5	183.5
Bakery products	138.8	147.7	141.2	145.0	152.9	144.4	147.9	155.4
Miscellaneous foods	164.3	169.3	159.9	160.7	167.3	170.1	172.7	176.5
Beverages	177.6	187.3	181.8	193.9	219.2	175.0	194.8	219.3
Carbonated beverages	178.7	181.0	173.0	181.0	213.6	155.9	199.1	215.2
Breweries	159.9	168.2	179.3	185.5	213.3	175.6	202.7	214.7
Distilleries	220.3	242.5	205.1	236.6	249.8	202.4	180.5	245.1
Tobacco and tobacco products	207.7	214.0	211.5	218.3	249.9	218.4	235.6	257.6
Rubber products	190.5	213.8	227.7	213.2	250.3	213.6	235.2	220.7
Leather products	127.0	130.9	136.6	131.1	132.0	131.2	123.5	125.1
Boots and shoes	136.9	139.3	149.3	139.9	140.6	143.1	130.9	130.9
Textiles	159.5	172.2	183.0	171.3	181.9	174.7	188.2	193.4
Cotton goods	109.6	120.1	139.0	118.9	120.7	115.4	126.4	117.4
Wool goods	89.8	89.8	100.5	93.1	95.0	76.9	90.2	102.0
Synthetic textiles and silk	281.0	306.8	318.8	302.5	338.7	331.5	359.1	380.9
Clothing	137.0(1)	135.8	128.7	110.9	112.0	134.9	114.3	109.1
Paper products	164.3	179.0	179.8	176.0	178.4	184.6	189.5	190.8
Pulp and paper	163.8	180.0	183.0	178.2	178.3	186.3	191.6	191.5

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Apr.	May	June	Apr.	May	June
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	174.5	180.3	169.3	179.7	180.3	189.8
Products of petroleum and coal	296.0	304.2	283.3	279.7	307.9	282.6	300.8	316.9
Petroleum products	319.7	329.5	305.5	301.0	332.7	304.3	324.6	343.3
Chemicals and allied products	249.1	279.0	278.6	280.4	285.0	306.4	314.3	314.0
Acids, alkalis, salts and fertilizers	302.0	331.7	340.3	335.3	319.9	373.7	380.1	369.2
Miscellaneous manufactures	246.6	261.9	249.4	254.0	260.7	261.1	261.0	263.7
DURABLE MANUFACTURES	175.9	192.7	195.5	200.1	205.7	211.2	218.9	228.4
Wood products	159.0	165.1	155.7	161.8	169.6	160.9	166.6	180.0
Saw and planing mills	172.1	179.3	167.9	175.9	186.4	168.4	176.3	195.5
Veneers and plywoods	358.8	399.3	424.9	391.7	395.0	415.0	378.5	382.7
Sawmills	162.3	167.0	149.7	165.5	177.9	153.7	168.9	194.2
Furniture	153.0	157.9	150.9	152.9	154.4	170.9	171.9	172.4
Iron and steel products	161.8	182.4	182.9	187.7	188.7	195.5	202.7	213.0
Machinery	160.2	179.2	171.3	174.7	179.7	196.3	198.2	203.2
Iron castings	151.1	180.7	198.5	217.1	212.7	200.0	203.7	243.7
Primary iron and steel	216.9	244.9	257.2	258.4	255.8	268.6	285.7	288.1
Sheet metal products	156.9	164.3	154.9	159.9	172.3	172.7	180.5	190.3
Transportation equipment	181.4	198.5	234.2	234.9	239.6	258.9	267.1	271.6
Aircraft and parts	233.8	270.9	265.0	269.6	276.2	238.7	230.1	278.7
Motor vehicles	257.6	276.1	368.7	364.2	374.3	409.1	430.9	436.4
Motor vehicle parts	179.5	215.6	222.3	227.8	223.1	257.5	262.6	258.1
Railway rolling stock	41.1	47.3	45.5	46.3	47.7	50.7	49.8	49.4
Shipbuilding and repairs	197.2	187.6	180.6	190.2	199.1	213.3	209.5	207.0
Non-ferrous metal products	148.8	162.0	163.3	162.2	164.6	175.4	170.7	171.8
Brass and copper products ...	133.4	149.6	146.4	150.3	153.2	155.6	144.5	140.0
Smelting and refining	161.6	176.0	179.6	176.5	179.2	194.5	189.3	191.7
Electrical apparatus and supplies	223.5	239.2	227.3	227.8	234.3	258.1	261.5	267.0
Heavy electrical machinery ..	154.3	161.0	156.7	158.4	160.7	172.8	174.8	177.9
Telecommunication equipment	546.9	584.0	517.4	520.2	511.9	606.9	618.6	629.6
Refrigerators and appliances	221.6	233.8	238.2	236.0	249.8	258.6	268.8	272.8
Non-metallic mineral products	243.0	277.6	243.3	275.6	306.6	253.3	300.0	335.7
Concrete products	652.3	849.6	688.8	859.2	994.4	722.9	933.5	1,072.7
Hydraulic cement	246.0	277.5	254.8	310.8	350.0	250.0	336.2	383.9
Domestic clay products	136.7	146.1	146.0	160.4	159.4	144.4	155.1	160.5
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	419.7	374.2	368.5	459.7	412.6	394.6
Electric power	339.2	371.5	370.5	349.2	346.1	399.7	384.2	376.0
Gas	620.1	711.0	861.2	598.4	569.3	994.8	665.6	560.5

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

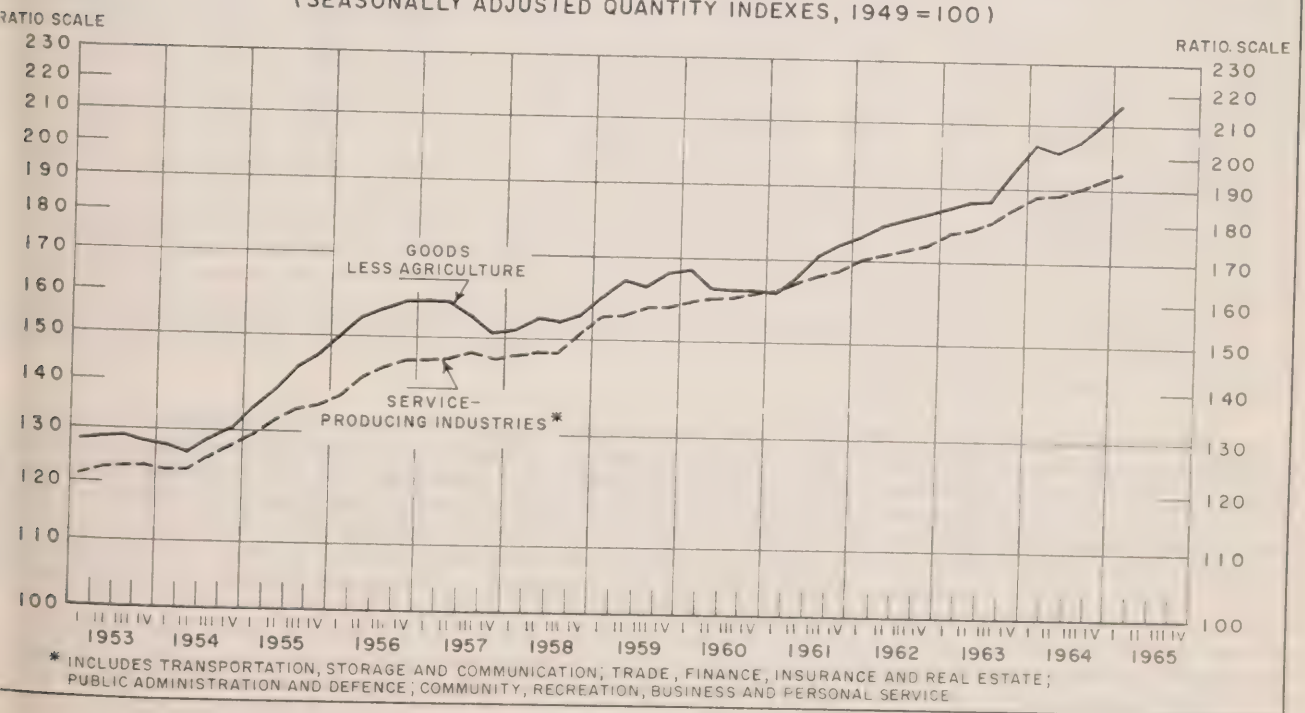
The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1965

The seasonally adjusted index of non-agricultural real output for the first quarter of 1965 was 2.2 per cent above the fourth quarter level, with most of the major industry divisions contributing to this increase.

The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production. During the first quarter of 1965, the expansion was in its sixteenth quarter, and non-agricultural real output had reached a level 27 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course (10 quarters) of the 1954-56 expansion and the 10 per cent advance (in 9 quarters) made during the 1957-60 cyclical upturn.

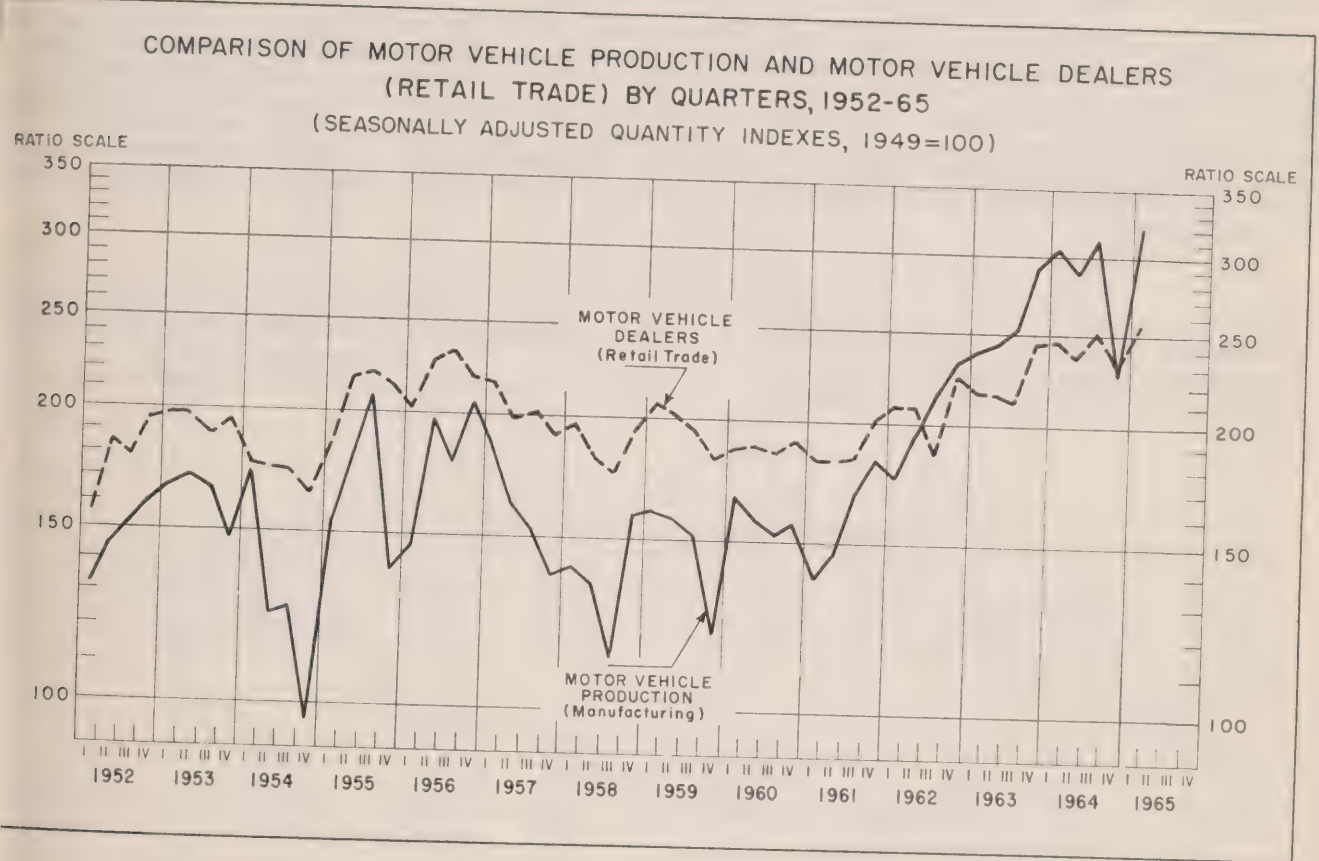
	IQ'61 - IQ'64		IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	20.7	20.7	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6
Forestry	25.2	.5	18.9	.4	29.1	.6	21.3	.4	31.3	.6
Fishing and trapping ..	- 7.6	--	- 18.3	- .1	- 15.6	- .1	- 3.5	--	- 10.9	- .1
Mining	31.3	1.8	29.7	1.7	26.9	1.5	33.6	1.9	37.9	2.3
Manufacturing	25.9	7.3	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9.0
Non-durable	17.9	2.8	19.6	3.1	19.8	3.1	24.1	3.8	23.9	3.1
Durable	36.0	4.5	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5.0
Construction	23.5	1.7	14.6	1.0	15.8	1.1	25.6	1.8	33.1	2.0
Electric power and gas utilities	28.4	1.0	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1.5
Other goods, n.e.c. ...	11.2	.1	13.1	.1	14.1	.1	14.1	.1	14.1	.1
Transportation, storage and communication ...	21.6	2.1	24.2	2.3	25.3	2.5	27.1	2.6	27.6	2.0
Transportation	23.0	1.6	25.5	1.8	26.3	1.9	28.8	2.0	28.9	2.0
Trade	19.2	3.0	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3.0
Wholesale	29.1	1.6	26.3	1.4	26.2	1.4	27.7	1.5	36.4	1.0
Retail	14.0	1.4	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1.0
Finance, insurance and real estate	15.9	1.7	16.5	1.8	17.7	1.9	19.2	2.1	20.2	2.0
Public administration and defence	4.3	.2	4.1	.2	3.7	.2	3.8	.2	4.9	.1
Community, recreation, business and personal service	13.0	1.4	14.2	1.5	15.4	1.6	16.3	1.7	17.0	1.0

Manufacturing, trade and construction were the largest contributors to the first quarter gain in non-agricultural output, with manufacturing accounting for almost one third of the advance and the other two groups for about one fifth each.

The 2.5 per cent gain in manufacturing output resulted from a 6 per cent increase in the durable component, as the non-durables group declined fractionally. Within durable manufacturing, most major industry groups showed increases in the quarter, ranging from 0.1 per cent in iron and steel products to 23 per cent in transportation equipment. This latter increase accounted for about four fifths of the gain in durables and can be traced to the attainment of new high levels in motor vehicle and parts production. The next largest contributions to the gain in durables came from electrical apparatus and supplies (up 1.9 per cent) and non-metallic mineral products, which increased by 5 per cent. The output of the cement and concrete products components of the non-metallic group continued to increase in the first quarter. This is in contrast to the production of many other building materials industries, such as paints and varnishes, roofing paper and wire products, which declined from very high fourth quarter levels. Wood products were the only major industry group to show a decline (-1%), mainly as a result of a drop in the output of sawmills.

The most important single influence in durable manufacturing output in the first quarter was the increase in motor vehicle and parts production. In the fourth quarter of 1964 output in these industries had declined by 27 and 16 per cent, respectively. At that time strikes and layoffs in the automobile industry both in Canada and the United States affected levels of production in these industries particularly strongly. The subsequent increases in motor vehicle output in the first quarter (an all time high as reached in March), resulted in a 41 per cent advance from fourth quarter levels and a 2.3 per cent gain from the previous peak attained in the third quarter of 1964. The output of the motor vehicle parts production advanced by 18 per cent in the first quarter. Jointly the gains in motor vehicle and parts production accounted for almost one third of the advance in total non-agricultural output during the first quarter. In fact, the tremendous expansion in motor vehicle production since early 1961 has been at the base of the growth in durables output during this period, as can be seen by comparing chart 1 with that depicting durable and non-durable manufacturing (chart 2). During most of the period iron and steel products also contributed strongly to the expansion in durable manufacturing.

CHART-1



Within non-durables, increases ranging from one-half to 3 per cent in textiles, paper and petroleum products and printing and publishing were more than offset by declines in all the other major groups. The 3 per cent decrease in chemical products was the largest contributor to the decline in non-durables. Of its components, paints, varnishes and lacquers showed the sharpest drop, following an increase of about the same magnitude in the preceding quarter. Foods and beverages were about one per cent lower than fourth quarter levels, with the declines concentrated in foods, such as meat products. Declines of 3 per cent also occurred in tobacco, rubber, leather and clothing products.

As can be seen from charts 2 and 3 below, there are strong similarities in the output movements between durable manufacturing and wholesale trade and between those of non-durables and retail trade. The last two industries are less cyclically sensitive and have not achieved the strong gains shown by the other two during the 1961-65 expansion. In the first quarter the pattern is similar. The 3 per cent increase in trade is largely the result of a 7 per cent increase in wholesale trade, while retail trade

advanced by about one per cent. As in manufacturing, motor vehicles exercised the strongest single influence both on wholesale and on retail trade, as exemplified by an 11 per cent advance in motor vehicle dealer sales in retail trade (see Chart 1). In comparing the growth patterns of motor vehicle production and motor vehicle dealer sales, however, it should be remembered that motor vehicle production includes the production of all vehicles both for domestic use and for export, while the motor vehicle dealer industry, a component of retail trade, in addition to new Canadian-made vehicles, deals in imported vehicles, used cars, gasoline and various goods and services related to these. Elsewhere at the retail trade level, declines occurred in the sales of grocery and combination stores and lumber and building material dealers, as well as department stores. A similar pattern prevailed in wholesale trade.

The transportation, storage and communication group advanced by half of one per cent in the first quarter, mainly as a result of an increase in the output of the communications industries, which, however, was partially offset by a 4 per cent decline in storage. Transportation showed no change from its fourth quarter level, following more than a year of uninterrupted expansion at high levels of activity. Within transportation, declines occurred in railway, air and water transportation, while the rest of the transportation industries showed gains in the first quarter.

Among the remaining industry groups, increases of 2 and 8 per cent occurred in electric power and gas utilities and forestry, while mining advanced by 3 per cent. Both the metal and non-metal mining components showed strong gains in the first quarter but the total advance was somewhat dampened by a 2 per cent decline in fuel mining. Construction was up by 6 per cent, with increases in both residential and non-residential construction. Increases of about one per cent were recorded by the remaining service-industry groups, namely, finance, insurance and real estate, public administration and defence (where the increase occurred at the provincial and municipal levels) and community, recreation, business and personal service.

CHART-2

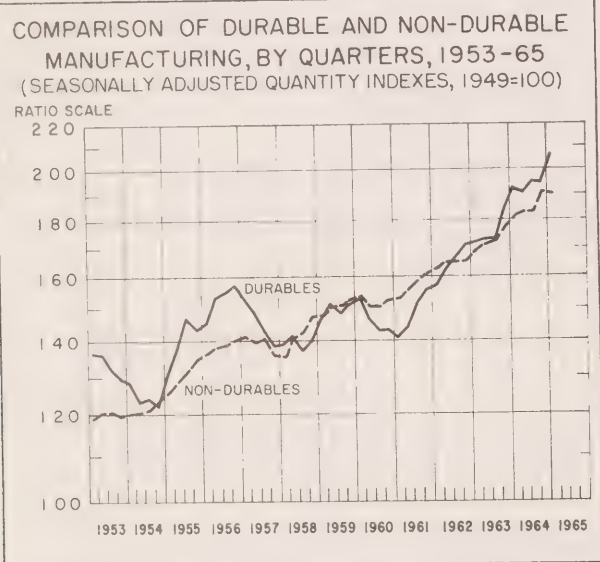


CHART-3

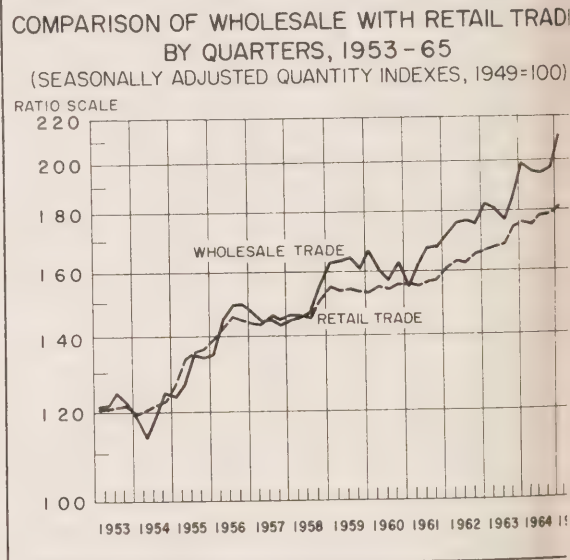


TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.2	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2								
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.1
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.6	220.6	219.4	137.6	182.1	136.5	182.2	167.1
2								
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
1965 - 1	317.3	286.9	265.6	206.3	166.6	191.7	221.2	169.8
2								
3								
4								
Without seasonal adjustment								
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
1965								
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
1964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
1965 - 1	320.8	288.1	257.2	203.8	168.5	186.0	241.4	169.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
49 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
62 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
63 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
64 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
65 - 1	180.7	208.0	191.5	174.3	216.9	195.0	206.2	197.8	224.7
2									
3									
4									
Without seasonal adjustment									
2	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
3	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
4	176.8	203.0	189.8	171.0	204.6	189.9	197.0 ^r	195.1	213.3
2 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
3 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
- 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7 ^r	195.1	221.3
- 1	157.2	201.6	184.8	169.7	202.1	184.7	192.9	193.6	222.0
2									
3									
4									

Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

Revised figures.

CANADA. BUREAU OF STATISTICS

(DOMINION BUREAU OF STATISTICS)

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JULY 1965

The seasonally adjusted index of industrial production advanced by 1.0 per cent in July.

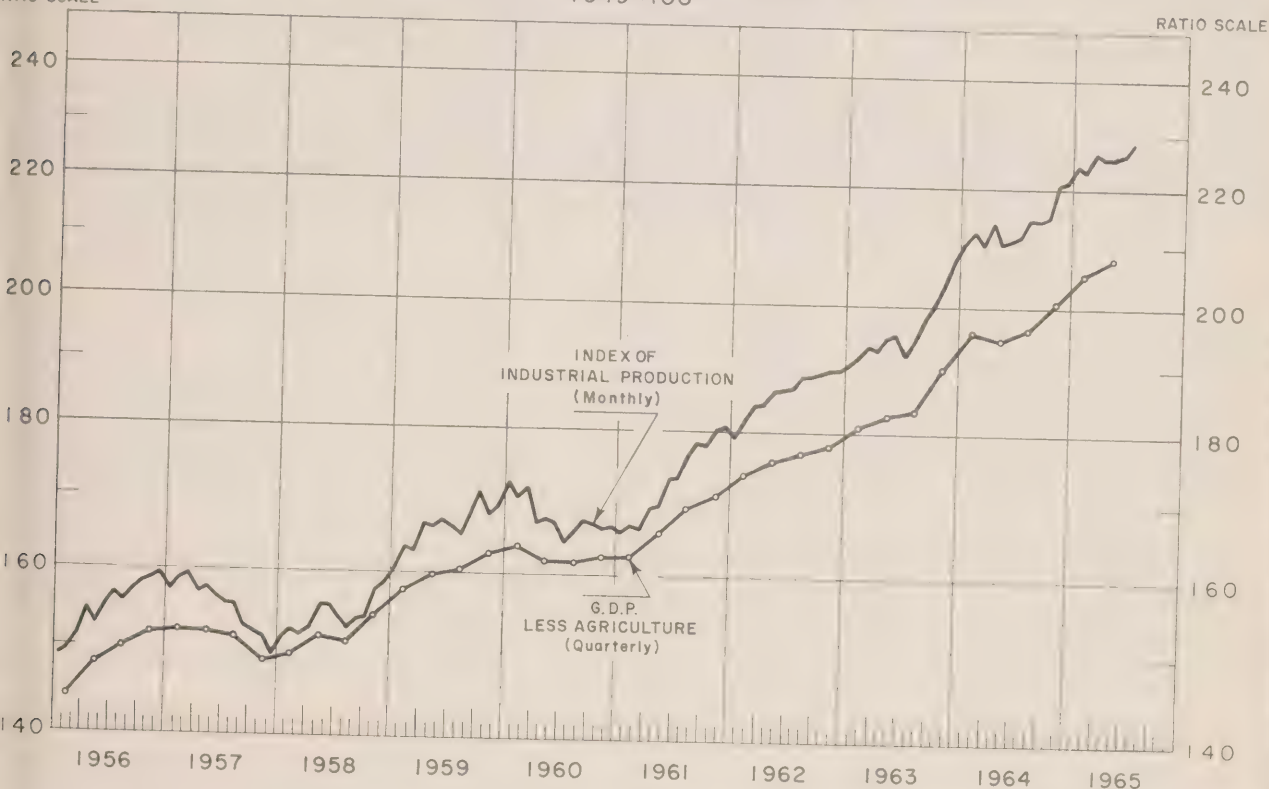
Non-agricultural real output increased by 1.2 per cent in the second quarter

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100

RATIO SCALE

RATIO SCALE



New This Issue: This issue includes indexes of non-agricultural real output for the second quarter of 1965.

Industrial Output Section

National Accounts and Balance of Payments Division

September 1965
61-502

JULY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was 1.0 per cent higher in July, rising to 228.3 from the revised June level of 226.0. This left the Index nearly 2 per cent higher than in January of this year and about 7 per cent higher in the year to date than in the comparable period of 1964.

Manufacturing was the major contributor to the July increase. Mining rose by 0.8 per cent while utilities showed a marginal decline.

The 1.3 per cent gain in manufacturing was divided between non-durables and durables; the former rising by 1.5 per cent, the latter by 1.0 per cent. In non-durables all major groups except tobacco and leather products increased. The major industry contributors to the increase were beverages, textiles, and meat products. A major cause of the rise in the latter were the heavy marketings of cattle for slaughter in Eastern Canada, apparently largely in response to drought conditions, and stimulated to some extent by good export markets.

The rise in durable manufacturing was sparked by transportation equipment, led by about 6 per cent gains in both motor vehicles and in parts production. Most components of iron and steel products were slightly higher in July, with the result that the group advanced by about 1 per cent, as did non-metallic minerals and non-ferrous metal products. The only durable groups to decline in July were wood products (- 1 per cent) and electrical apparatus and supplies (- 3 per cent).

In mining, although metals showed little change in the month, there were good gains in several components, particularly copper. However, these were offset by unusual declines in gold and zinc. The one per cent gain in fuels was due to the contribution of a 3 per cent increase in crude petroleum which more than offset the declines in coal and natural gas. Non-metals showed little change.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1965 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use DBS reference paper 61-50 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Feb.	Mar.	Apr.	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	223.1	226.7	225.5	225.4	226.0	228.3
MINING,	3.245	2	343.3	347.5	348.7	332.7	336.9	339.5
Metals	1.925	2	223.6	223.5	215.3	216.8	211.5	211.3
Gold	0.624	5	88.0	87.3	90.9	86.2	90.1	82.2
Copper	0.356	4	197.3	189.9	195.5	219.8	179.3	204.5
Iron ore	0.099	3	1,057.0	916.3	868.9	801.4	775.0	803.3
Nickel	0.337	4	208.2	225.3	216.6	202.1	202.8	208.5
Non-metals	0.268	5	399.0	406.6	379.3	372.6	381.2	383.5
Asbestos	0.214	5	267.6	268.3	270.5	262.6	280.2	274.1
Fuels	0.915	3	557.8	569.7	603.8	549.2	572.6	579.4
Coal	0.553	6	58.4	63.9	59.8	53.9	56.3	49.8
Natural gas	0.035	2	1,338.5	1,460.0	1,453.2	1,524.0	1,576.4	1,514.1
Petroleum	0.327	3	1,318.9	1,329.8	1,432.9	1,282.5	1,338.3	1,375.0
MANUFACTURING, TOTAL	27.340	3	195.9	199.4	198.2	200.3	200.3	202.9
NON-DURABLE MANUFACTURES	14.742	3	189.8	188.9	189.3	193.2	190.9	193.7
Foods and beverages	3.814	4	176.3	176.6	177.8	178.4	174.5	177.8
Foods	2.896	4	170.6	174.2	176.4	176.0	172.1	173.0
Meat products	0.523	4	182.6	187.7	183.5	185.9	182.7	202.0
Dairy products	0.450	3	173.7	173.6	172.1	176.6	170.1	167.9
Canning and processing	0.453	4	176.4	190.9	196.3	188.6	178.9	164.5
Grain mill products	0.322	4	188.3	179.6	186.6	181.7	178.5	183.7
Bakery products	0.558	3	147.9	147.4	148.0	147.8	146.5	146.9
Miscellaneous foods	0.590	4	164.9	172.3	179.5	180.5	179.9	176.7
Beverages	0.918	6	194.2	184.3	182.1	185.9	181.8	192.7
Carbonated beverages	0.231	6	208.2	186.1	173.2	197.7	179.3	167.9
Breweries	0.463	6	161.3	168.8	163.8	182.8	165.7	166.6
Distilleries	0.203	6	258.5	222.7	238.4	183.8	225.1	284.7
Tobacco and tobacco products ..	0.248	6	221.0	218.8	216.7	225.0	223.2	210.3
Rubber products	0.430	3	217.6	205.6	208.8	231.3	185.8	199.5
Leather products	0.508	2	125.7	127.8	126.8	125.0	124.0	122.2
Boots and shoes	0.307	4	133.4	135.5	135.9	132.4	130.1	129.9
Textiles	1.623	3	183.7	177.4	171.1	185.2	182.2	186.6
Cotton goods	0.507	4	134.9	132.8	111.0	127.3	118.2	127.8
Wool goods	0.300	3	82.3	88.6	80.9	87.6	88.7	86.0
Synthetic Textiles and Silk	0.429	3	341.7	314.0	319.1	348.6	349.1	356.9
Clothing	1.801	3	136.9	135.6	139.8	139.4	138.7	141.4
Paper products	2.649	3	186.7	189.0	185.6	187.6	189.6	189.9
Pulp and paper	2.108	3	189.3	191.1	186.3	189.0	191.4	191.4

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Feb.	Mar.	Apr.	May	June	July
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	175.6	170.2	177.0	174.6	172.0	173.3
Products of petroleum and coal	0.513	3	315.1	310.7	302.6	323.9	324.0	330.9
Petroleum products	0.454	3	342.0	336.2	326.9	350.9	351.7	359.3
Chemicals and allied products	1.359	2	284.8	287.6	293.3	301.2	303.4	307.5
Acids, alkalies, salts and fertilizers	0.346	2	350.4	336.3	342.8	356.6	374.1	377.8
Miscellaneous manufactures	0.524	1	264.2	266.4	269.7	267.5	271.4	277.5
DURABLE MANUFACTURES	12.598	3	203.1	211.8	208.6	208.5	211.4	213.6
Wood products	2.108	2	164.3	167.6	173.2	168.8	165.9	163.9
Saw and planing mills	1.444	3	173.6	176.2	183.4	177.8	173.8	170.6
Veneers and plywoods	0.122	3	398.9	404.5	394.9	377.0	378.2	351.4
Sawmills	0.994	4	158.5	162.0	174.7	168.9	163.2	163.0
Furniture	0.460	2	169.9	176.1	178.8	177.3	177.3	178.4
Iron and steel products	4.026	2	188.2	193.9	193.6	195.2	198.8	200.5
Machinery	0.851	1	194.0	196.7	198.3	198.2	199.6	202.0
Iron castings	0.387	3	171.5	189.5	180.7	183.5	206.5	209.2
Primary iron and steel	0.845	2	248.6	260.7	260.8	267.0	268.5	268.5
Sheet metal products	0.359	1	173.0	173.5	179.1	180.7	178.5	180.9
Transportation equipment	2.651	4	214.5	238.9	225.8	228.9	238.0	249.6
Aircraft and parts	0.203	1	258.9	264.3	240.4	232.0	280.1	283.5
Motor vehicles	1.035	4	305.6	359.1	329.9	340.9	351.7	373.5
Motor vehicle parts	0.462	2	236.8	249.5	247.1	250.3	261.1	276.3
Railway rolling stock	0.621	1	49.5	50.5	52.0	50.8	50.2	51.2
Shipbuilding and repairs	0.261	1	197.8	204.6	207.1	199.2	192.9	192.4
Non-ferrous metal products	1.601	3	168.0	175.9	172.1	168.4	170.1	172.8
Brass and copper products ...	0.241	1	160.1	160.9	157.3	143.4	136.6	135.1
Smelting and refining	1.028	3	182.6	193.6	188.1	185.4	189.0	193.6
Electrical apparatus and supplies	1.418	2	256.3	264.4	267.3	272.3	268.1	260.6
Heavy electrical machinery ..	0.489	1	170.9	172.6	176.0	176.7	177.7	178.9
Telecommunication equipment	0.142	3	650.9	666.1	671.3	694.3	677.5	617.4
Refrigerators and appliances	0.227	3	240.3	256.1	252.5	267.7	253.4	253.4
Non-metallic mineral products	0.794	2	319.8	307.3	290.3	280.1	288.5	290.4
Concrete products	0.098	4	996.1	908.5	871.0	800.3	859.5	870.6
Hydraulic cement	0.117	5	326.3	344.6	301.2	292.3	282.3	286.2
Domestic clay products	0.083	3	156.2	164.2	160.4	143.9	136.6	141.9
ELECTRIC POWER AND GAS UTILITIES	1.646	2	437.4	441.8	435.8	431.8	433.5	431.7
Electric power	1.480	2	403.3	404.3	395.4	395.6	397.5	393.4
Gas	0.166	3	741.0	776.6	795.8	754.6	754.9	773.1

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			May	June	July	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	213.1	220.5	197.8	228.2	234.8	215.9
MINING,	294.4	326.5	328.4	345.5	320.7	337.2	352.9	338.2
Metals	193.8	210.7	221.2	236.0	203.6	227.4	232.6	216.8
Gold	95.5	91.0	88.9	89.3	90.1	85.7	89.7	79.5
Copper	174.0	186.4	180.9	198.3	183.0	213.0	193.5	206.5
Iron ore	670.8	834.2	1,043.3	1,077.3	986.5	945.6	999.8	1,004.1
Nickel	171.0	181.2	193.0	182.1	162.1	215.8	203.2	198.1
Non-metals	228.1	324.9	329.4	329.5	310.0	385.6	412.4	370.2
Asbestos	239.1	259.9	264.5	266.4	244.7	268.6	280.8	246.7
Fuels	513.6	554.7	533.8	548.4	534.5	527.2	554.9	546.3
Coal	52.0	55.1	48.8	55.3	45.7	49.4	51.7	40.3
Natural gas	1,179.8	1,382.3	1,253.5	1,196.8	1,199.9	1,391.4	1,336.8	1,249.1
Petroleum	1,221.6	1,300.8	1,275.5	1,311.5	1,276.3	1,242.7	1,322.2	1,326.9
MANUFACTURING, TOTAL	173.9	188.2	189.7	196.7	174.3	204.2	211.1	192.2
DURABLE MANUFACTURES	172.2	184.5	180.9	189.1	171.9	191.7	196.2	180.8
Food and beverages	162.1	174.1	171.1	187.2	182.4	176.3	189.6	185.0
Food products	157.2	170.0	163.9	177.1	179.3	170.4	180.2	180.1
Meat products	163.6	182.8	172.7	175.5	166.2	185.5	178.9	184.8
Dairy products	163.5	171.5	191.2	216.6	195.1	190.7	219.8	194.6
Canning and processing	165.4	174.9	140.2	176.0	261.8	148.3	176.7	232.1
Grain mill products	145.9	182.5	183.4	185.7	168.3	182.5	182.8	174.6
Bakery products	138.8	147.7	145.0	152.9	156.6	148.4	154.1	154.0
Miscellaneous foods	164.3	169.3	160.7	167.3	143.0	172.7	177.0	152.6
Beverages	177.6	187.3	193.9	219.2	192.3	194.9	219.5	200.6
Carbonated beverages	178.7	181.0	181.0	213.6	243.7	199.1	215.2	221.5
Breweries	159.9	168.2	185.5	213.3	196.8	202.7	214.7	203.7
Distilleries	220.3	242.5	236.6	249.8	129.4	180.5	245.1	176.8
Tobacco and tobacco products	207.7	214.0	218.3	249.9	166.1	235.6	257.6	165.1
Textile products	190.5	213.8	213.2	250.3	162.5	235.2	220.7	155.6
Other products	127.0	130.9	131.1	132.0	95.5	123.5	124.7	90.0
Foots and shoes	136.9	139.3	139.9	140.6	94.7	130.9	130.9	89.6
Textiles	159.5	172.2	171.3	181.9	134.1	188.1	193.0	145.0
Cotton goods	109.6	120.1	118.9	120.7	81.1	126.4	117.4	84.1
Wool goods	89.8	89.8	93.1	95.0	73.1	90.2	102.0	70.5
Synthetic textiles and silk	281.0	306.8	302.5	338.7	223.2	359.1	380.9	264.1
Leather and leather goods	137.0(1)	135.8	110.9	112.0	118.2	114.3	111.9	121.5
Other products	164.3	179.0	176.0	178.4	173.0	189.5	191.4	184.5
Pulp and paper	163.8	180.0	178.2	178.3	172.1	191.6	191.6	182.2

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	May	June	July	May	June	July
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	180.3	169.3	150.6	180.4	174.5	163.4
Products of petroleum and coal	296.0	304.2	279.7	307.9	303.3	300.8	316.9	317.6
Petroleum products	319.7	329.5	301.0	332.7	328.0	324.6	343.3	357.1
Chemicals and allied products	249.1	279.0	280.4	285.0	247.8	314.1	315.2	280.3
Acids, alkalies, salts and fertilizers	302.0	331.7	335.3	319.9	264.3	380.1	369.2	310.9
Miscellaneous manufactures	246.6	261.9	254.0	260.7	262.0	261.9	270.0	275.6
DURABLE MANUFACTURES	175.9	192.7	200.1	205.7	177.0	218.9	228.6	205.4
Wood products	159.0	165.1	161.8	169.6	165.1	166.4	180.6	168.1
Saw and planing mills	172.1	179.3	175.9	186.4	184.6	176.1	196.1	176.8
Veneers and plywoods	358.8	399.3	391.7	395.0	349.8	378.5	382.7	298.7
Sawmills	162.3	167.0	165.5	177.9	171.7	168.9	194.2	174.4
Furniture	153.0	157.9	152.9	154.4	154.8	171.6	173.6	176.1
Iron and steel products	161.8	182.4	187.7	188.7	174.9	202.7	213.2	193.6
Machinery	160.2	179.2	174.7	179.7	181.9	198.2	202.2	204.4
Iron castings	151.1	180.7	217.1	212.7	167.5	203.7	243.9	184.1
Primary iron and steel	216.9	244.9	258.4	255.8	232.1	285.7	288.4	255.1
Sheet metal products	156.9	164.3	159.9	172.3	172.4	180.5	190.5	194.1
Transportation equipment	181.4	198.5	234.9	239.6	141.4	267.1	272.5	220.3
Aircraft and parts	233.8	270.9	269.6	276.2	275.0	230.1	278.7	276.4
Motor vehicles	257.6	276.1	364.2	374.3	129.7	430.9	436.4	308.1
Motor vehicle parts	179.5	215.6	227.8	223.1	211.2	262.6	262.1	254.2
Railway rolling stock	41.1	47.3	46.3	47.7	48.5	49.8	50.2	51.7
Shipbuilding and repairs	197.2	187.6	190.2	199.1	193.9	210.0	205.6	197.6
Non-ferrous metal products	148.8	162.0	162.2	164.6	156.3	170.7	171.8	165.5
Brass and copper products ...	133.4	149.6	150.3	153.2	151.0	144.5	140.0	138.5
Smelting and refining	161.6	176.0	176.5	179.2	167.3	189.3	190.7	181.4
Electrical apparatus and supplies	223.5	239.2	227.8	234.3	218.9	261.5	266.9	240.9
Heavy electrical machinery ..	154.3	161.0	158.4	160.7	161.4	174.8	178.8	180.5
Telecommunication equipment	546.9	584.0	520.2	511.9	415.1	618.6	632.1	468.6
Refrigerators and appliances	221.6	233.8	236.0	249.8	208.6	268.8	273.7	222.7
Non-metallic mineral products	243.0	277.6	275.6	306.6	305.9	300.0	334.4	332.1
Concrete products	652.3	849.6	859.2	994.4	1,000.8	934.0	1,072.7	1,064.8
Hydraulic cement	246.0	277.5	310.8	350.0	343.5	336.2	383.9	374.5
Domestic clay products	136.7	146.1	160.4	159.4	155.8	155.1	160.5	160.5
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	374.2	368.5	347.2	411.4	394.6	368.1
Electric power	339.2	371.5	349.2	346.1	338.3	382.9	376.0	358.4
Gas	620.1	711.0	598.4	569.3	427.5	665.6	560.9	459.1

Real Domestic Product less Agriculture

Note to Users

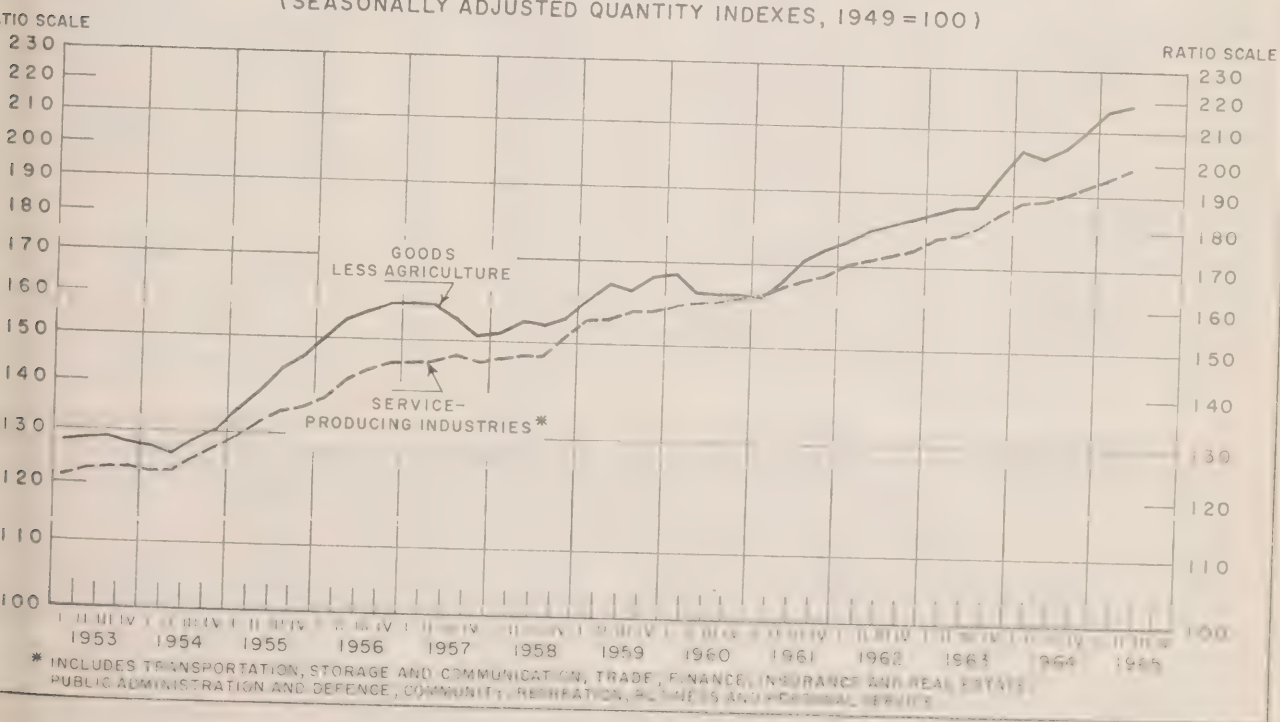
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the full range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fish and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal services.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross Domestic Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES
BY QUARTERS, 1953-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1965

Seasonally adjusted non-agricultural real output reached an index level of 207.9 in the second quarter of 1965, an increase of about one per cent from the first quarter of this year. Most of the major industry divisions contributed to this gain.

During the seventeen quarters of the current expansion, non-agricultural real output has achieved substantial gains. During the second quarter of 1965 real domestic product less agriculture reached a level 28 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. This current expansion has also been of longer duration than either of the preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production.

	IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product										
less agriculture	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6	28.2	28.2
Forestry	18.9	.4	29.1	.6	21.3	.4	30.9	.6	39.8	.8
Fishing and trapping ..	- 18.3	- .1	- 15.6	- .1	- 3.5	--	- 11.4	- .1	- 15.4	- .1
Mining	29.7	1.7	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0
Manufacturing	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8
Non-durable	19.6	3.1	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9
Durable	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5.6	48.3	6.0
Construction	14.6	1.0	15.8	1.1	25.6	1.8	32.1	2.2	34.4	2.4
Electric power and gas										
utilities	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5
Other goods, n.e.c. ...	13.1	.1	14.1	.1	14.1	.1	14.1	.2	14.5	.2
Transportation, storage										
and communication ...	24.2	2.3	25.3	2.5	27.1	2.6	29.0	2.8	31.4	3.0
Transportation	25.5	1.8	26.3	1.9	28.8	2.0	30.7	2.2	33.1	2.3
Trade	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1
Wholesale	26.3	1.4	26.2	1.4	27.7	1.5	36.2	1.9	37.9	2.0
Retail	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0
Finance, insurance and										
real estate	16.5	1.8	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4
Public administration										
and defence	4.1	.2	3.7	.2	3.8	.2	4.9	.3	4.8	.3
Community, recreation,										
business and personal										
service	14.2	1.5	15.4	1.6	16.3	1.7	16.6	1.8	18.4	1.9

Throughout the current expansion various special factors have affected production in Canada to some degree, and it is useful to keep them in mind in examining current production trends. One such factor was the increase in exports, notably exports of grain during the latter part of 1963 and early in 1964. These export shipments stimulated production in a wide range of industries: flour milling, storage of grain, rail and water transport, and, indirectly, the production and sales of farm machinery and similar items. In addition, exports of manufactured goods and some raw materials have increased substantially over the course of the cycle. Another such factor is the increased investment in plant, equipment, social capital and housing which has occurred during the past two years. Following the relatively stable levels of the 1958-63 period, private residential and non-residential construction showed particularly strong increases during 1964 and continued at high levels in 1965. Public construction also was at very high levels during the first half of 1965. This increasing construction activity and the investment in machinery and equipment which also took place, exercised a stimulating influence on other domestic industries, notably those industries manufacturing construction materials and machinery.

has also served to increase imports of machinery and equipment. In addition, the imposition of the sales tax on building materials in three successive stages affected, to some extent, the production and sales of building materials during this period. The rate of increase in the production and sales of these materials appears to have temporarily accelerated in anticipation of the last two stages of the tax. While significant for individual industries, their effect on the level of total non-agricultural output has been marginal. A third factor, which has affected production movements particularly since the first half of 1964 is the presence of labour disputes, both in the United States and Canada. In particular, the motor vehicle industry's output levels declined sharply in the fourth quarter of 1964 and recovered gradually during the early months of 1965, reaching a peak in March. Labour disputes also occurred in several other industries during 1965, such as trade (which was affected by the Quebec Liquor Board strike), distilleries, and aircraft.

Because of the effects of the above-mentioned labour disputes on the output of motor vehicles, and because of the exceptional increases in the output of this industry since the beginning of the current expansion, it might be interesting to examine the movements in non-agricultural real output after the exclusion of the industries which manufacture and sell automobiles and parts. The following table shows a comparison between the motor vehicle group of industries and the remaining industries. Early, strong expansionary forces were at work in both sectors, although not to the same degree. The output of the motor vehicles group almost doubled during this period, while the remaining industries increased by 26.5 per cent. Total non-agricultural output increased by 28 per cent.

	Non-agricultural real output	Motor vehicle industries(1)	Non-agricultural output, less motor vehicle industries
9 Industry Weight	89,286	2,347	86,939
(Seasonally adjusted indexes, 1949=100)			
- 1st Quarter	162.2	149.5	162.5
2nd "	165.3	152.8	165.6
3rd "	169.2	167.0	169.3
4th "	170.8	178.4	170.6
- 1st Quarter	173.5	178.7	173.4
2nd "	175.5	190.2	175.1
3rd "	176.8	191.4	176.4
4th "	178.0	216.0	177.0
- 1st Quarter	180.9	217.9	179.9
2nd "	182.4	219.1	181.4
3rd "	183.3	222.5	182.2
4th "	190.0	257.9	188.2
- 1st Quarter	195.7	265.1	193.8
2nd "	194.9	255.9	193.3
3rd "	196.9	275.8	194.8
4th "	200.9	223.7	200.3
- 1st Quarter	205.4	281.0	203.4
2nd "	207.9	296.5	205.5

includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

In the second quarter of 1965, about two-thirds of the increase in non-agricultural real output came from the service-producing industries. Within the goods-producing industry group, increases in manufacturing, construction and forestry were dampened by declines in other components, notably mining.

Within manufacturing, which showed a one per cent increase, durables advanced more rapidly than non-durables. The one and a half per cent gain in the durables group accounted for over two-thirds of the second quarter increase in manufacturing output. Most major components contributed to the gain.

As in the first quarter, transportation equipment accounted for more than half the increase in durables and showed the largest gain of any major group. The 7 per cent increase in motor vehicles and the 6 per cent increase in motor vehicle parts production accounted for all of the increase in the transportation equipment group, as declines occurred in shipbuilding and the strike-affected aircraft and parts industry. The electrical apparatus and supplies group continued to expand, while the output of the iron and steel and wood products industries continued its upward trend following a pause in the first quarter. The only industry group to show a decline in the second quarter was non-metallic mineral products, which declined substantially, largely as a result of decreases in the output of cement products. Within the non-durables group, which was up by one half of one per cent, only the chemical industry group showed fairly substantial gains in the second quarter, with most components contributing to this gain. Increases of up to about one per cent were recorded by textiles, paper and tobacco products. Leather products and foods and beverages showed declines of about 2 per cent, the latter mainly as a result of an 8 per cent drop in the production of beverage products, from particularly high first quarter levels. Both quarters were to some degree affected by labour disputes.

More than one quarter of the gain in non-agricultural output came from the 2 per cent increase in trade. The contribution of trade to the second quarter gain thus surpassed even that of manufacturing, which, by virtue of its large weight, is most often the main contributor to the changes in non-agricultural real output. Within trade, the 3 per cent gain in the retail trade component accounted for the larger part of the advance. Wholesale trade increased by one per cent. Most of the retail trade stores showed increases in the second quarter. The sales of food stores resumed their upward movement following a decline in the first quarter, as did department stores and variety stores. Motor vehicle dealer sales continued to increase, contributing nearly one-fifth to the second quarter gain in retail trade. Farm implement dealer sales also showed an increase. Lumber and building material dealer sales, however, continued to decline from very high fourth quarter levels. In wholesale trade movements were mixed, with declines in such trades as foods, textiles, and clothing more than offset by increases in farm machinery and very strong gains in the sales of the industrial and transportation equipment and supplies industry. Sales of petroleum products also increased in the quarter.

The transportation, storage and communications group increased by 2 per cent in the second quarter, with all three components contributing to the gain. Within transportation, the bulk of the increase came from advances in air, water and truck transport. Gains were also recorded in both the freight and the passenger component of railway transportation. However, urban and interurban passenger bus transport declined in the second quarter apparently as a result of labour disputes in the industry during that period.

The finance, insurance and real estate and the community, recreation, business and personal service groups jointly accounted for as much of the increase in non-agricultural real output as did manufacturing, namely about one quarter. Both industry groups advanced by about one and a half per cent in the quarter, which is slightly above the average for these industries. Within the latter group, business and personal services advanced most rapidly, with particular strength in such personal service industries as restaurants, hotels and motels.

Among the remaining industry groups forestry increased by 7 per cent, mainly as a result of an increase in pulpwood production in the second quarter. Public administration and defence showed a fractional decline from the first quarter, as the decline at the federal level was not quite offset by increases at the provincial and municipal levels. Declines also occurred in electric power and gas utilities and fishing and trapping. Mining, which declined by 2 per cent, was still slightly above its fourth quarter level. Almost the entire decline in this industry can be traced to the 5 per cent decline in the metal mining component, which resulted from large drops in the production of iron ore and "other metals" (including uranium). Non-metal mining also declined by about 5 per cent. Fuel mining recorded a 2 per cent increase in the second quarter, with both crude petroleum and natural gas production contributing to this gain.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
- 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
- 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
- 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.5	209.5	169.3	195.9	230.9	170.2
3								
4								
	Without seasonal adjustment							
.....	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
.....	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
.....	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
.....								
- 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
- 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
- 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
- 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.3	219.6	169.3	203.8	266.2	172.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whol sal
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.9
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.1
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.1
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.1
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.1
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.1
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.1
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.1
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.1
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.1
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.1
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.1
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.1
2	269.2	286.3	213.1	433.7	221.0	207.7	223.3	195.3	213.1
3									
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.1
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.1
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.1
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.1
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.1
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.1
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.1
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.1
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.1
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.1
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	180.1
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	201.1
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	200.1
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	181.1
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	191.1
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	211.1
2	262.1	295.9	213.7	421.9	226.2	215.5	222.0	202.9	221.1
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
- 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
- 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
- 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
- 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.8	210.7	191.2	176.4	218.5	198.4	208.8	198.6	225.6
3									
4									
Without seasonal adjustment									
.....	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
.....	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
.....	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
.....									
1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	165.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.5	211.6	191.6	176.4	219.7	201.9	211.5	199.0	229.0
3									
4									

cludes transportation, storage and communication; trade; finance, insurance and real estate; public
administration and defence; community, recreation, business and personal service.
cludes public administration and defence; hospitals; education; welfare, religion and other
community service, n.e.c. and domestic service.

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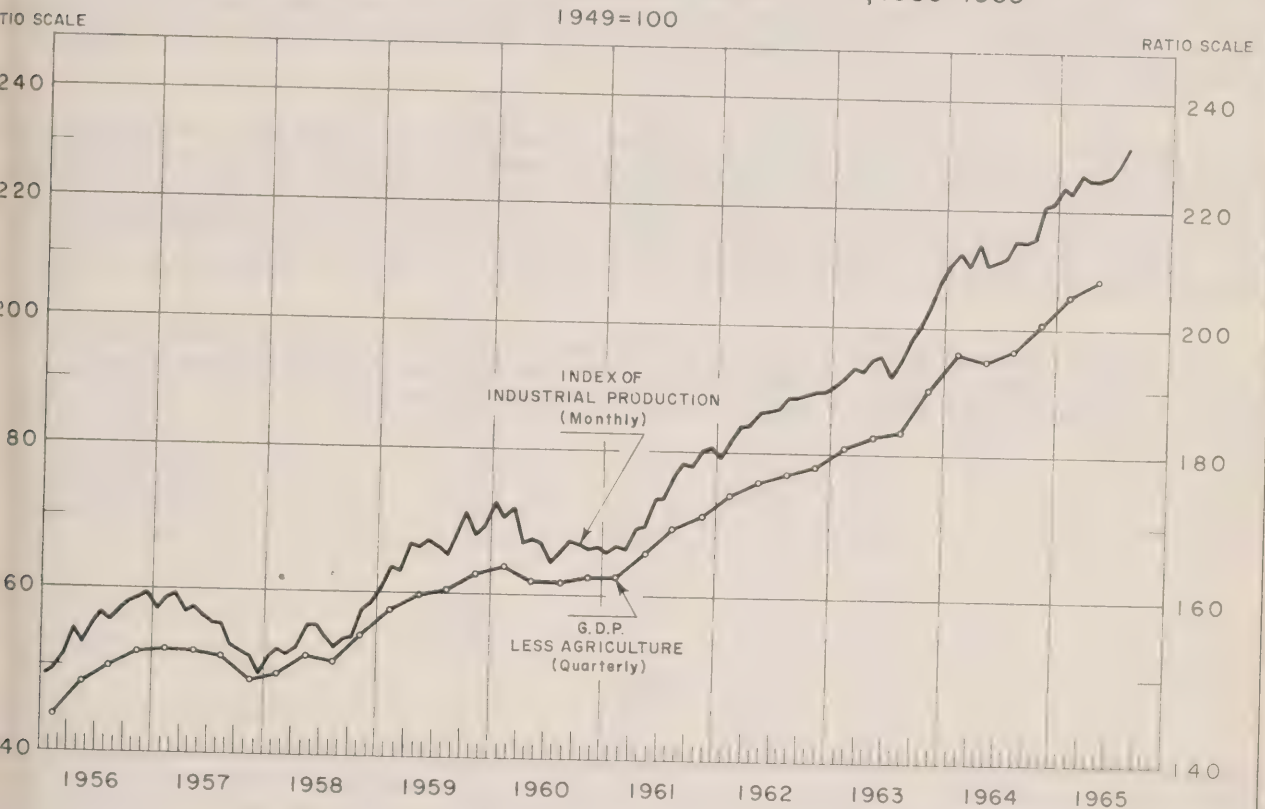
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

AUGUST 1965

The seasonally adjusted index of industrial production advanced by 1.3 per cent in August.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (2nd quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

per 1965
502

AUGUST INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was 1.3 per cent higher in August, rising to 231.4 from the revised July level of 228.5. The gain left the Index more than 3 per cent higher than in January and about 7 per cent higher for the year to date than for the same period last year. All three components participated in the advance, mining rising by 3.2 per cent, manufacturing by 0.5 per cent, and electric power and gas utilities by 4.2 per cent.

Fuels were the major contributors to the large rise in mining, with all three fuel mining components, but especially petroleum, registering significant advances. The increase in crude petroleum appeared to be concentrated in Alberta. Coal also made a substantial contribution to the increase in fuel mining, rising by more than 16 per cent to recover from an abnormally low July level. Natural gas rose by 4 per cent. The gains in fuel and in non-metal mining were partially offset by a substantial decline in metal mining of nearly 4 per cent. Lead and copper were the major contributors to the drop.

In manufacturing both non-durables and durables shared in the gain, the former rising by 0.4 per cent and the latter by 0.6 per cent. In terms of contribution textiles were the major factor in the rise in non-durables, with synthetic textiles and silk advancing by more than 6 per cent. All other major non-durable components showed increases, with the exceptions of clothing, foods and beverages, and chemical and allied products.

In durables, the bulk of the rise was, in terms of contribution, attributable to a 3.5 per cent rise in wood products, largely in veneer and plywood and in sawmills, and to a better than 3 per cent rise in electrical apparatus and supplies, mostly in telecommunication equipment. The latter rise was in part attributable to a recovery from a labor dispute in June and July. These gains were partially offset by declines in non-ferrous metal products and in non-metallic mineral products of about 3 per cent and nearly 2 per cent respectively. Primary iron and steel rose by 4 per cent.

In electric power and gas utilities the bulk of the increase occurred in electric power which rose by 5 per cent. Almost half of the increase in generation occurred in Ontario where it was attributed to increased power usage in that province and higher net exports.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1963 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Mar.	Apr.	May	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	226.7	225.5	225.4	225.9	228.5	231.4
MINING,	3.245	2	347.5	348.7	332.7	336.9	339.4	350.4
Metals	1.925	2	223.5	215.3	216.8	211.5	211.2	202.9
Gold	0.624	5	87.3	90.9	86.2	90.1	82.2	87.4
Copper	0.356	4	189.9	195.5	219.8	179.3	204.5	186.8
Iron ore	0.099	3	916.3	868.9	801.4	775.0	803.3	787.4
Nickel	0.337	4	225.3	216.6	202.1	202.8	208.5	207.2
Non-metals	0.268	5	406.6	379.3	372.6	381.2	383.5	389.4
Asbestos	0.214	5	268.3	270.5	262.6	280.2	274.1	261.1
Fuels	0.915	3	569.7	603.8	549.2	572.6	579.3	633.8
Coal	0.553	6	63.9	59.8	53.9	56.3	49.8	57.9
Natural gas	0.035	2	1,460.0	1,453.2	1,524.0	1,576.4	1,511.9	1,574.2
Petroleum	0.327	3	1,329.8	1,432.9	1,282.5	1,338.3	1,375.0	1,507.2
MANUFACTURING, TOTAL	27.340	3	199.4	198.2	200.3	200.2	203.1	204.1
NON-DURABLE MANUFACTURES	14.742	3	188.9	189.3	193.2	190.9	194.8	195.5
Foods and beverages	3.814	4	176.6	177.8	178.4	174.7	178.3	178.2
Foods	2.896	4	174.2	176.4	176.0	172.4	173.7	173.7
Meat products	0.523	4	187.7	183.5	185.9	182.7	202.0	197.8
Dairy products	0.450	3	173.6	172.1	176.6	170.1	168.2	179.1
Canning and processing	0.453	4	190.9	196.3	188.6	181.1	166.1	165.4
Grain mill products	0.322	4	179.6	186.6	181.7	178.5	184.1	184.2
Bakery products	0.558	3	147.4	148.0	147.8	147.1	149.6	147.5
Miscellaneous foods	0.590	4	172.3	179.5	180.5	179.1	175.7	173.6
Beverages	0.918	6	184.3	182.1	185.9	181.8	192.9	192.4
Carbonated beverages	0.231	6	186.1	173.2	197.7	179.3	167.9	184.4
Breweries	0.463	6	168.8	163.8	182.8	165.7	166.6	167.7
Distilleries	0.203	6	222.7	238.4	183.8	225.1	284.7	261.9
Tobacco and tobacco products ..	0.248	6	218.8	216.7	225.0	223.2	213.0	219.8
Rubber products	0.430	3	205.6	208.8	231.3	185.8	206.5	214.9
Leather products	0.508	2	127.8	126.8	125.0	124.0	122.5	129.2
Boots and shoes	0.307	4	135.5	135.9	132.4	130.1	129.9	135.4
Textiles	1.623	3	177.4	171.1	185.2	182.2	188.1	195.4
Cotton goods	0.507	4	132.8	111.0	127.3	118.2	127.8	131.0
Wool goods	0.300	3	88.6	80.9	87.6	88.7	86.0	85.9
Synthetic Textiles and Silk	0.429	3	314.0	319.1	348.6	349.1	362.1	384.7
Clothing	1.801	3	135.6	139.8	139.4	138.7	143.7	135.0
Paper products	2.649	3	189.0	185.6	187.6	189.6	190.8	191.6
Pulp and paper	2.108	3	191.1	186.3	189.0	191.4	191.4	191.9

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Mar.	Apr.	May	June	July	Aug.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	170.2	177.0	174.6	172.0	173.0	175.4
Products of petroleum and coal	0.513	3	310.7	302.6	323.9	324.0	330.9	333.0
Petroleum products	0.454	3	336.2	326.9	350.9	351.7	359.3	361.6
Chemicals and allied products	1.359	2	287.6	293.3	301.2	303.4	310.5	308.4
Acids, alkalies, salts and fertilizers	0.346	2	336.3	342.8	356.6	374.1	377.8	380.5
Miscellaneous manufactures	0.524	1	266.4	269.7	267.5	271.6	276.6	276.7
DURABLE MANUFACTURES	12.598	3	211.8	208.6	208.5	211.1	212.8	214.1
Wood products	2.108	2	167.6	173.2	168.8	165.9	163.7	169.4
Saw and planing mills	1.444	3	176.2	183.4	177.8	173.8	170.8	180.0
Veneers and plywoods	0.122	3	404.5	394.9	377.0	378.2	351.4	410.3
Sawmills	0.994	4	162.0	174.7	168.9	163.2	163.0	168.7
Furniture	0.460	2	176.1	178.8	177.3	177.3	177.1	174.7
Iron and steel products	4.026	2	193.9	193.6	195.2	198.9	199.8	201.2
Machinery	0.851	1	196.7	198.3	198.2	200.1	199.8	199.8
Iron castings	0.387	3	189.5	180.7	183.5	206.0	209.2	172.4
Primary iron and steel	0.845	2	260.7	260.8	267.0	268.5	268.5	279.1
Sheet metal products	0.359	1	173.5	179.1	180.7	179.2	181.5	182.3
Transportation equipment	2.651	4	238.9	225.8	228.9	236.3	246.2	245.4
Aircraft and parts	0.203	1	264.3	240.4	232.0	256.2	263.2	
Motor vehicles	1.035	4	359.1	329.9	340.9	351.7	373.5	373.6
Motor vehicle parts	0.462	2	249.5	247.1	250.3	261.6	265.5	265.2
Railway rolling stock	0.621	1	50.5	52.0	50.8	50.3	50.8	50.6
Shipbuilding and repairs	0.261	1	204.6	207.1	199.2	192.9	193.7	193.2
Non-ferrous metal products	1.601	3	175.9	172.1	168.4	170.2	173.7	168.9
Brass and copper products ...	0.241	1	160.9	157.3	143.4	136.6	135.1	140.5
Smelting and refining	1.028	3	193.6	188.1	185.4	189.0	193.6	184.9
Electrical apparatus and supplies	1.418	2	264.4	267.3	272.3	268.3	260.4	268.8
Heavy electrical machinery ..	0.489	1	172.6	176.0	176.7	177.7	177.8	177.6
Telecommunication equipment	0.142	3	666.1	671.3	694.3	678.6	627.9	729.6
Refrigerators and appliances	0.227	3	256.1	252.5	267.7	254.9	253.7	247.3
Non-metallic mineral products	0.794	2	307.3	290.3	280.1	288.7	292.1	286.9
Concrete products	0.098	4	908.5	871.0	800.3	859.5	872.4	853.9
Hydraulic cement	0.117	5	344.6	301.2	292.3	282.3	286.2	275.8
Domestic clay products	0.083	3	164.2	160.4	143.9	136.6	141.9	
ELECTRIC POWER AND GAS UTILITIES	1.646	2	441.8	435.8	431.8	433.5	431.7	449.8
Electric power	1.480	2	404.3	395.4	395.6	397.5	393.4	412.9
Gas	0.166	3	776.6	795.8	754.6	754.9	773.1	778.8

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	June	July	Aug.	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	220.5	197.8	207.9	234.7	216.0	221.9
MINING,	294.4	326.5	345.5	320.7	324.5	352.9	337.4	356.7
Metals	193.8	210.7	236.0	203.6	219.9	232.6	215.6	215.7
Gold	95.5	91.0	89.3	90.1	92.6	89.7	79.5	86.6
Copper	174.0	186.4	198.3	183.0	199.4	193.5	206.5	192.4
Iron ore	670.8	834.2	1,077.3	986.5	1,042.0	999.8	1,004.1	997.6
Nickel	171.0	181.2	182.1	162.1	168.4	203.2	198.1	207.2
Non-metals	228.1	324.9	329.5	310.0	323.7	412.4	370.2	409.3
Asbestos	239.1	259.9	266.4	244.7	257.9	280.8	246.7	268.4
Fuels	513.6	554.7	548.4	534.5	512.2	554.9	546.3	599.1
Coal	52.0	55.1	55.3	45.7	35.2	51.7	40.3	36.1
Natural gas	1,179.8	1,382.3	1,196.8	1,199.9	1,193.7	1,336.8	1,247.3	1,292.4
Petroleum	1,221.6	1,300.8	1,311.5	1,276.3	1,244.7	1,322.2	1,326.9	1,477.1
MANUFACTURING, TOTAL	173.9	188.2	196.7	174.3	185.6	211.0	192.4	196.1
NON-DURABLE MANUFACTURES	172.2	184.5	189.1	171.9	189.8	196.2	182.0	201.1
Foods and beverages	162.1	174.1	187.2	182.4	192.0	189.8	185.6	198.2
Foods	157.2	170.0	177.1	179.3	187.0	180.4	180.8	192.0
Meat products	163.6	182.8	175.5	166.2	177.4	178.9	184.8	188.7
Dairy products	163.5	171.5	216.6	195.1	188.5	219.8	195.0	199.5
Canning and processing	165.4	174.9	176.0	261.8	276.6	178.3	233.8	276.6
Grain mill products	145.9	182.5	185.7	168.3	182.8	182.8	174.9	182.6
Bakery products	138.8	147.7	152.9	156.6	154.1	154.6	156.8	155.2
Miscellaneous foods	164.3	169.3	167.3	143.0	159.1	176.1	151.7	164.1
Beverages	177.6	187.3	219.2	192.3	208.0	219.5	200.8	217.8
Carbonated beverages	178.7	181.0	213.6	243.7	223.5	215.2	221.5	236.4
Breweries	159.9	168.2	213.3	196.8	181.8	214.7	203.7	181.3
Distilleries	220.3	242.5	249.8	129.4	258.4	245.1	176.8	288.1
Tobacco and tobacco products	207.7	214.0	249.9	166.1	230.5	257.6	165.1	228.6
Rubber products	190.5	213.8	250.3	162.5	159.9	220.7	161.1	165.9
Leather products	127.0	130.9	132.0	95.5	135.7	124.7	90.3	131.7
Boots and shoes	136.9	139.3	140.6	94.7	148.9	130.9	89.6	141.8
Textiles	159.5	172.2	181.9	134.1	164.5	193.0	144.2	183.5
Cotton goods	109.6	120.1	120.7	81.1	121.9	117.4	84.1	125.8
Wool goods	89.8	89.8	95.0	73.1	81.8	102.0	70.5	84.2
Synthetic textiles and silk	281.0	306.8	338.7	223.2	283.4	380.9	260.7	349.3
Clothing	137.0(1)	135.8	112.0	118.2	163.0	111.9	123.4	164.0
Paper products	164.3	179.0	178.4	173.0	184.4	191.5	184.9	196.0
Pulp and paper	163.8	180.0	178.3	172.1	185.6	191.6	182.2	195.0

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	June	July	Aug.	June	July	Aug.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	169.3	150.6	147.3	174.6	163.1	167.3
Products of petroleum and coal	296.0	304.2	307.9	303.3	317.0	316.9	329.3	345.1
Petroleum products	319.7	329.5	332.7	328.0	343.2	343.3	357.1	375.0
Chemicals and allied products	249.1	279.0	285.0	247.8	275.5	315.2	283.4	300.1
Acids, alkalies, salts and fertilizers	302.0	331.7	319.9	264.3	309.4	369.2	310.9	353.1
Miscellaneous manufactures	246.6	261.9	260.7	262.0	268.9	270.2	274.7	280.1
DURABLE MANUFACTURES	175.9	192.7	205.7	177.0	180.6	228.3	204.6	190.1
Wood products	159.0	165.1	169.6	165.1	178.9	180.6	167.9	180.1
Saw and planing mills	172.1	179.3	186.4	184.6	198.0	196.1	177.1	194.1
Veneers and plywoods	358.8	399.3	395.0	349.8	380.1	382.7	298.7	430.1
Sawmills	162.3	167.0	177.9	171.7	194.8	194.2	174.4	183.1
Furniture	153.0	157.9	154.4	154.8	159.8	173.6	174.8	178.1
Iron and steel products	161.8	182.4	188.7	174.9	183.9	213.3	192.9	200.1
Machinery	160.2	179.2	179.7	181.9	183.4	202.7	202.2	200.1
Iron castings	151.1	180.7	212.7	167.5	180.0	243.3	184.1	156.1
Primary iron and steel	216.9	244.9	255.8	232.1	240.7	288.4	255.1	274.1
Sheet metal products	156.9	164.3	172.3	172.4	174.3	191.2	194.8	196.1
Transportation equipment	181.4	198.5	239.6	141.4	117.1	270.8	217.1	111.1
Aircraft and parts	233.8	270.9	276.2	275.0	274.0	254.9	256.6	
Motor vehicles	257.6	276.1	374.3	129.7	68.0	436.4	308.1	45.1
Motor vehicle parts	179.5	215.6	223.1	211.2	215.0	262.6	244.3	237.1
Railway rolling stock	41.1	47.3	47.7	48.5	48.2	50.3	51.3	50.1
Shipbuilding and repairs	197.2	187.6	199.1	193.9	185.2	205.6	198.9	193.1
Non-ferrous metal products	148.8	162.0	164.6	156.3	157.3	171.8	166.4	168.1
Brass and copper products ...	133.4	149.6	153.2	151.0	149.4	140.0	138.5	143.1
Smelting and refining	161.6	176.0	179.2	167.3	168.5	190.7	181.4	183.1
Electrical apparatus and supplies	223.5	239.2	234.3	218.9	239.4	267.1	239.9	264.1
Heavy electrical machinery ..	154.3	161.0	160.7	161.4	161.3	178.8	179.4	177.1
Telecommunication equipment	546.9	584.0	511.9	415.1	580.9	633.1	470.9	729.1
Refrigerators and appliances	221.6	233.8	249.8	208.6	219.3	275.3	223.0	218.1
Non-metallic mineral products	243.0	277.6	306.6	305.9	322.3	334.6	333.9	335.1
Concrete products	652.3	849.6	994.4	1,000.8	1,107.0	1,072.7	1,066.9	1,104.1
Hydraulic cement	246.0	277.5	350.0	343.5	341.8	383.9	374.9	359.1
Domestic clay products	136.7	146.1	159.4	155.8	162.2	160.5	160.1	
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	368.5	347.2	348.6	394.6	368.6	384.1
Electric power	339.2	371.5	346.1	338.3	338.4	376.0	358.4	375.1
Gas	620.1	711.0	569.3	427.5	439.6	560.9	459.2	465.1

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

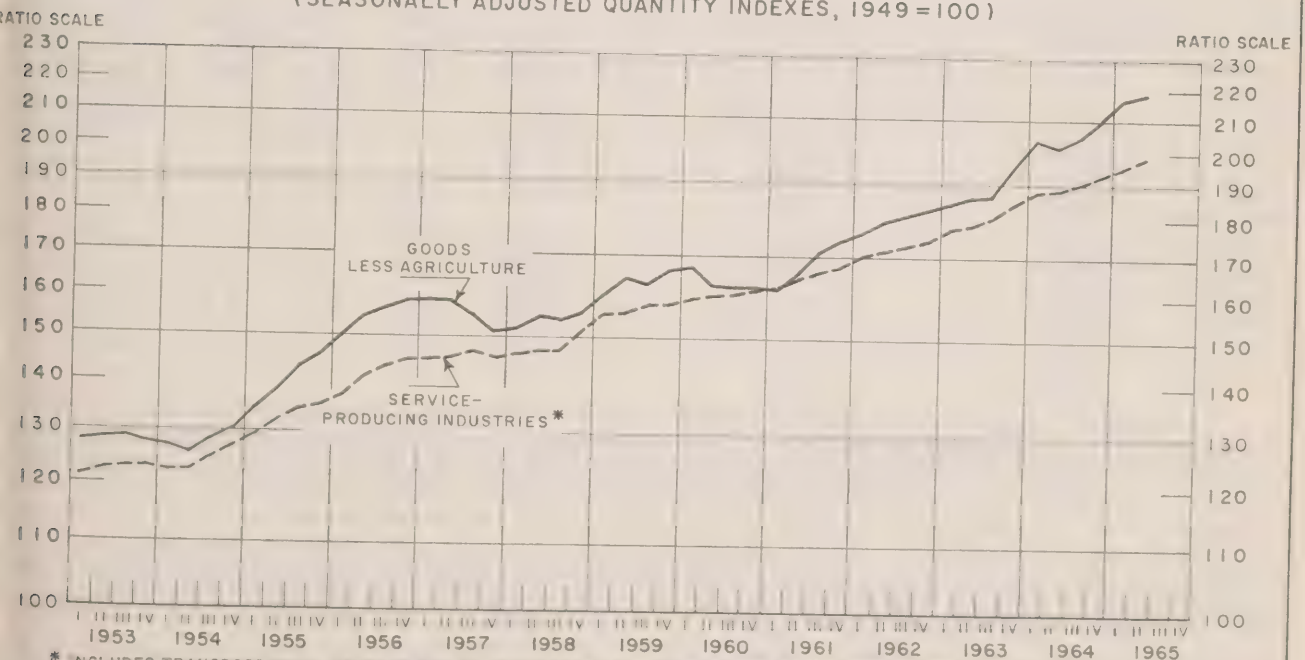
The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE, FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1965

Seasonally adjusted non-agricultural real output reached an index level of 207.9 in the second quarter of 1965, an increase of about one per cent from the first quarter of this year. Most of the major industry divisions contributed to this gain.

During the seventeen quarters of the current expansion, non-agricultural real output has achieved substantial gains. During the second quarter of 1965 real domestic product less agriculture reached a level 28 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. This current expansion has also been of longer duration than either of the preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production.

	IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6	28.2	28.2
Forestry	18.9	.4	29.1	.6	21.3	.4	30.9	.6	39.8	.8
Fishing and trapping ..	- 18.3	- .1	- 15.6	- .1	- 3.5	--	- 11.4	- .1	- 15.4	- .1
Mining	29.7	1.7	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0
Manufacturing	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8
Non-durable	19.6	3.1	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9
Durable	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5.6	48.3	6.0
Construction	14.6	1.0	15.8	1.1	25.6	1.8	32.1	2.2	34.4	2.4
Electric power and gas utilities	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5
Other goods, n.e.c. ...	13.1	.1	14.1	.1	14.1	.1	14.1	.2	14.5	.2
Transportation, storage and communication ...	24.2	2.3	25.3	2.5	27.1	2.6	29.0	2.8	31.4	3.0
Transportation	25.5	1.8	26.3	1.9	28.8	2.0	30.7	2.2	33.1	2.3
Trade	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1
Wholesale	26.3	1.4	26.2	1.4	27.7	1.5	36.2	1.9	37.9	2.0
Retail	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0
Finance, insurance and real estate	16.5	1.8	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4
Public administration and defence	4.1	.2	3.7	.2	3.8	.2	4.9	.3	4.8	.3
Community, recreation, business and personal service	14.2	1.5	15.4	1.6	16.3	1.7	16.6	1.8	18.4	1.9

Throughout the current expansion various special factors have affected production in Canada to some degree, and it is useful to keep them in mind in examining current production trends. One such factor was the increase in exports, notably exports of grain during the latter part of 1963 and early in 1964. These export shipments stimulated production in a wide range of industries: flour milling, storage of grain, rail and water transport, and, indirectly, the production and sales of farm machinery and similar items. In addition, exports of manufactured goods and some raw materials have increased substantially over the course of the cycle. Another such factor is the increased investment in plant, equipment, social capital and housing which has occurred during the past two years. Following the relatively stable levels of the 1958-63 period, private residential and non-residential construction showed particularly strong increases during 1964 and continued at high levels in 1965. Public construction also was at very high levels during the first half of 1965. This increasing construction activity and the investment in machinery and equipment which also took place, exercised a stimulating influence on other domestic industries, notably those industries manufacturing construction materials and machinery.

has also served to increase imports of machinery and equipment. In addition, the imposition of the sales tax on building materials in three successive stages affected, to some extent, the production and sales of building materials during this period. The rate of increase in the production and sales of these materials appears to have temporarily accelerated in anticipation of the last two stages of the tax. While significant for individual industries, their effect on the level of total non-agricultural output has been marginal. A third factor, which has affected production movements particularly since the first half of 1964 is the presence of labour disputes, both in the United States and Canada. In particular, the motor vehicle industry's output levels declined sharply in the fourth quarter of 1964 and recovered gradually during the early months of 1965, reaching a peak in March. Labour disputes also occurred in several other industries during 1965, such as trade (which was affected by the Quebec Liquor Board strike), distilleries, and aircraft.

Because of the effects of the above-mentioned labour disputes on the output of motor vehicles, and because of the exceptional increases in the output of this industry since the beginning of the current expansion, it might be interesting to examine the movements in non-agricultural real output after the exclusion of the industries which manufacture and sell automobiles and parts. The following table shows a comparison between the motor vehicle group of industries and the remaining industries. In the early, strong expansionary forces were at work in both sectors, although not to the same degree. The output of the motor vehicles group almost doubled during this period, while the remaining industries increased by 26.5 per cent. Total non-agricultural output increased by 28 per cent.

	Non-agricultural real output	Motor vehicle industries(1)	Non-agricultural output, less motor vehicle industries
9 Industry Weight	89,286	2,347	86,939
(Seasonally adjusted indexes, 1949=100)			
1 - 1st Quarter	162.2	149.5	162.5
2nd "	165.3	152.8	165.6
3rd "	169.2	167.0	169.3
4th "	170.8	178.4	170.6
2 - 1st Quarter	173.5	178.7	173.4
2nd "	175.5	190.2	175.1
3rd "	176.8	191.4	176.4
4th "	178.0	216.0	177.0
3 - 1st Quarter	180.9	217.9	179.9
2nd "	182.4	219.1	181.4
3rd "	183.3	222.5	182.2
4th "	190.0	257.9	188.2
4 - 1st Quarter	195.7	265.1	193.8
2nd "	194.9	255.9	193.3
3rd "	196.9	275.8	194.8
4th "	200.9	223.7	200.3
5 - 1st Quarter	205.4	281.0	203.4
2nd "	207.9	296.5	205.5

Includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

In the second quarter of 1965, about two-thirds of the increase in non-agricultural real output came from the service-producing industries. Within the goods-producing industry group, increases in manufacturing, construction and forestry were dampened by declines in other components, notably mining.

Within manufacturing, which showed a one per cent increase, durables advanced more rapidly than non-durables. The one and a half per cent gain in the durables group accounted for over two-thirds of the second quarter increase in manufacturing output. Most major components contributed to the gain.

As in the first quarter, transportation equipment accounted for more than half the increase in durables and showed the largest gain of any major group. The 7 per cent increase in motor vehicles and the 6 per cent increase in motor vehicle parts production accounted for all of the increase in the transportation equipment group, as declines occurred in shipbuilding and the strike-affected aircraft and parts industry. The electrical apparatus and supplies group continued to expand, while the output of the iron and steel and wood products industries continued its upward trend following a pause in the first quarter. The only industry group to show a decline in the second quarter was non-metallic mineral products, which declined substantially, largely as a result of decreases in the output of cement products. Within the non-durables group, which was up by one half of one per cent, only the chemical industry group showed fairly substantial gains in the second quarter, with most components contributing to this gain. Increases of up to about one per cent were recorded by textiles, paper and tobacco products. Leather products and foods and beverages showed declines of about 2 per cent, the latter mainly as a result of an 8 per cent drop in the production of beverage products, from particularly high first quarter levels. Both quarters were to some degree affected by labour disputes.

More than one quarter of the gain in non-agricultural output came from the 2 per cent increase in trade. The contribution of trade to the second quarter gain thus surpassed even that of manufacturing, which, by virtue of its large weight, is most often the main contributor to the changes in non-agricultural real output. Within trade, the 3 per cent gain in the retail trade component accounted for the larger part of the advance. Wholesale trade increased by one per cent. Most of the retail trade stores showed increases in the second quarter. The sales of food stores resumed their upward movement following a decline in the first quarter, as did department stores and variety stores. Motor vehicle dealer sales continued to increase, contributing nearly one-fifth to the second quarter gain in retail trade. Farm implement dealer sales also showed an increase. Lumber and building material dealer sales, however, continued to decline from very high fourth quarter levels. In wholesale trade movement were mixed, with declines in such trades as foods, textiles, and clothing more than offset by increases in farm machinery and very strong gains in the sales of the industrial and transportation equipment and supplies industry. Sales of petroleum products also increased in the quarter.

The transportation, storage and communications group increased by 2 per cent in the second quarter, with all three components contributing to the gain. Within transportation, the bulk of the increase came from advances in air, water and truck transport. Gains were also recorded in both the freight and the passenger component of railway transportation. However, urban and interurban passenger bus transport declined in the second quarter apparently as a result of labour disputes in the industry during that period.

The finance, insurance and real estate and the community, recreation, business and personal service groups jointly accounted for as much of the increase in non-agricultural real output as did manufacturing, namely about one quarter. Both industry groups advanced by about one and a half per cent in the quarter, which is slightly above the average for these industries. Within the latter group, business and personal services advanced most rapidly, with particular strength in such personal service industries as restaurants, hotels and motels.

Among the remaining industry groups forestry increased by 7 per cent, mainly as a result of an increase in pulpwood production in the second quarter. Public administration and defence showed a fractional decline from the first quarter, as the decline at the federal level was not quite offset by increases at the provincial and municipal levels. Declines also occurred in electric power and gas utilities and fishing and trapping. Mining, which declined by 2 per cent, was still slightly above its fourth quarter level. Almost the entire decline in this industry can be traced to the 5 per cent decline in the metal mining component, which resulted from large drops in the production of iron ore and "other metals" (including uranium). Non-metal mining also declined by about 5 per cent. Fuel mining recorded a 2 per cent increase in the second quarter, with both crude petroleum and natural gas production contributing to this gain.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
1965 - 1	205.4	168.7	125.7	346.4	226.1	395.9	564.1	197.5	190.1
2	207.9	180.2	120.0	339.4	214.5	377.7	575.2	199.6	191.1
3									
4									
Without seasonal adjustment									
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
1965									
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
1965 - 1	193.4	144.3	76.6	333.4	202.3	342.5	615.7	192.6	183.1
2	210.3	151.5	123.1	339.6	222.9	392.0	547.8	204.3	191.2
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
9 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
2 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
3 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
4 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
5 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.5	209.5	169.3	195.9	230.9	170.2
3								
4								
	Without seasonal adjustment							
2	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
3	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
4	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
2 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
2 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
2 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
2 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.3	219.6	169.3	203.8	266.2	172.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.5
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.5
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.2
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.5
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.5
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.5
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.5
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.5
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.5
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.5
2	269.2	286.3	213.1	433.7	221.0	207.7	223.3	195.3	213.5
3									
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.5
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.5
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.5
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.5
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.5
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.5
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.5
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.5
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.5
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.5
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.5
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.5
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.5
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.5
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	216.5
2	262.1	295.9	213.7	421.9	226.2	215.5	222.0	202.9	226.5
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
- 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
- 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
- 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
- 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.8	210.7	191.2	176.4	218.5	198.4	208.8	198.6	225.6
3									
4									
Without seasonal adjustment									
.....	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
.....	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
.....	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
.....									
- 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
- 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.5	211.6	191.6	176.4	219.7	201.9	211.5	199.0	229.0
3									
4									

cludes transportation, storage and communication; trade; finance, insurance and real estate; public
administration and defence; community, recreation, business and personal service.
cludes public administration and defence; hospitals; education; welfare, religion and other
community service, n.e.c. and domestic service.

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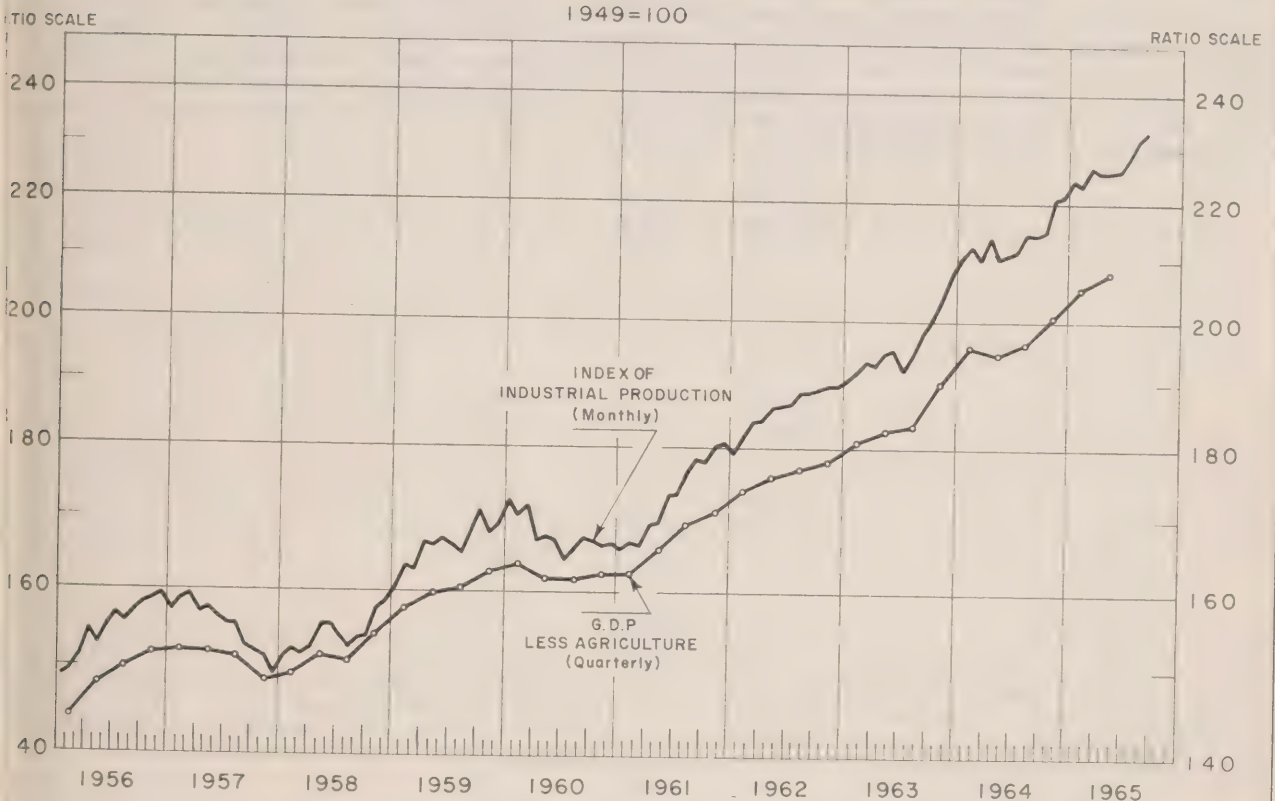
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

SEPTEMBER 1965

The seasonally adjusted index of industrial production advanced by 0.6 per cent in September.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (2nd quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

September 1965
65-502

SEPTEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was 0.6 per cent higher in September, rising to 233.4 from the revised August level of 232.0. The gain left the Index, which measures about one-third of the domestic economy, about 7 per cent higher for the year to date than for the first nine months of last year. On a seasonally adjusted basis the Index rose by better than 2 per cent from the second to the third quarter. In September alone electric power and gas utilities contributed nearly half the increase, rising by 2.8 per cent, while mining and manufacturing rose by 0.7 per cent and 0.3 per cent respectively.

In manufacturing, non-durables rose by 0.6 per cent while durables showed a marginal decline.

In non-durables all major components, except paper products, printing, publishing, and allied industries, and products of petroleum and coal shared in the increase. The drop in products of petroleum and coal was in large part attributable to labour disputes in the petroleum products industry. The major contributors to the increase were food products, chemical and allied products (both of which rose by better than 1 per cent), and clothing (up 4 per cent).

In durables, wood products, iron and steel products, non-ferrous metal products, and non-metallic mineral products rose from 1 to 2 per cent. Transportation equipment and electrical apparatus and supplies fell, the former by 4.2 per cent and the latter by 1.0 per cent. The major portion of the decline in transportation equipment was caused by drops in motor vehicles and parts production. In addition there was a major labour dispute in the aircraft and parts industry, which brought that output index considerably lower in September.

In mining, both metals and fuels rose by about 1 per cent, while non-metals fell by about 4 per cent.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 19 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production, table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Apr.	May	June	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	225.5	225.4	225.9	228.5	232.0	233.4
MINING,	3.245	2	348.7	332.7	336.9	339.3	350.7	353.2
Metals	1.925	2	215.3	216.8	211.5	211.2	202.9	205.4
Gold	0.624	5	90.9	86.2	90.1	82.2	87.4	83.7
Copper	0.356	4	195.5	219.8	179.3	204.5	186.8	191.4
Iron ore	0.099	3	868.9	801.4	775.0	803.3	787.4	785.0
Nickel	0.337	4	216.6	202.1	202.8	208.5	207.2	193.6
Non-metals	0.268	5	379.3	372.6	381.2	383.5	390.7	377.1
Asbestos	0.214	5	270.5	262.6	280.2	274.1	261.1	262.1
Fuels	0.915	3	603.8	549.2	572.6	579.3	633.8	639.4
Coal	0.553	6	59.8	53.9	56.3	49.8	57.9	55.7
Natural gas	0.035	2	1,453.2	1,524.0	1,576.4	1,511.9	1,574.2	1,541.7
Petroleum	0.327	3	1,432.9	1,282.5	1,338.3	1,375.0	1,507.2	1,530.0
MANUFACTURING, TOTAL	27.340	3	198.2	200.3	200.2	203.1	204.8	205.4
NON-DURABLE MANUFACTURES	14.742	3	189.3	193.2	190.9	194.6	195.7	196.8
Food and beverages	3.814	4	177.8	178.4	174.7	178.5	179.3	181.6
Food	2.896	4	176.4	176.0	172.4	173.9	175.0	177.3
Meat products	0.523	4	183.5	185.9	182.7	202.0	197.8	194.4
Dairy products	0.450	3	172.1	176.6	170.1	168.2	179.1	174.3
Canning and processing	0.453	4	196.3	188.6	181.1	168.1	173.8	185.3
Grain mill products	0.322	4	186.6	181.7	178.5	184.0	183.2	194.3
Bakery products	0.558	3	148.0	147.8	147.1	149.2	147.8	149.6
Miscellaneous foods	0.590	4	179.5	180.5	179.1	175.6	174.0	175.3
Beverages	0.918	6	182.1	185.9	181.8	192.9	192.9	195.0
Carbonated beverages	0.231	6	173.2	197.7	179.3	167.9	184.4	199.6
Breweries	0.463	6	163.8	182.8	165.7	166.6	167.7	149.5
Distilleries	0.203	6	238.4	183.8	225.1	284.7	261.9	297.8
Tobacco and tobacco products ..	0.248	6	216.7	225.0	223.2	213.0	219.8	228.4
Rubber products	0.430	3	208.8	231.3	185.8	206.5	214.9	219.5
Leather products	0.508	2	126.8	125.0	124.0	122.4	129.0	131.4
Boots and shoes	0.307	4	135.9	132.4	130.1	129.9	135.4	139.9
Textiles	1.623	3	171.1	185.2	182.2	188.1	194.3	196.0
Cotton goods	0.507	4	111.0	127.3	118.2	127.8	131.0	138.5
Wool goods	0.300	3	80.9	87.6	88.7	86.0	85.9	
Synthetic Textiles and Silk	0.429	3	319.1	348.6	349.1	362.1	379.4	374.4
Clothing	1.801	3	139.8	139.4	138.7	143.7	138.8	144.5
Paper products	2.649	3	185.6	187.6	189.6	190.9	192.0	190.6
Pulp and paper	2.108	3	186.3	189.0	191.4	191.4	191.9	189.3

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			Apr.	May	June	July	Aug.	Sept.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing,publishing and allied industries	1.273	4	177.0	174.6	172.0	172.9	175.6	173.4
Products of petroleum and coal	0.513	3	302.6	323.9	324.0	330.9	318.9	302.3
Petroleum products	0.454	3	326.9	350.9	351.7	359.3	345.7	326.6
Chemicals and allied products	1.359	2	293.3	301.2	303.4	307.1	308.6	313.6
Acids, alkalies, salts and fertilizers	0.346	2	342.8	356.6	374.1	377.8	365.5	384.2
Miscellaneous manufactures	0.524	1	269.7	267.5	271.6	276.8	275.8	275.8
DURABLE MANUFACTURES	12.598	3	208.6	208.5	211.1	213.1	215.6	215.4
Wood products	2.108	2	173.2	168.8	165.9	163.9	167.7	169.1
Saw and planing mills	1.444	3	183.4	177.8	173.8	171.0	177.5	179.7
Veneers and plywoods	0.122	3	394.9	377.0	378.2	351.4	410.3	407.8
Sawmills	0.994	4	174.7	168.9	163.2	163.0	164.3	
Furniture	0.460	2	178.8	177.3	177.3	177.3	174.5	174.0
Iron and steel products	4.026	2	193.6	195.2	198.9	200.5	203.8	207.4
Machinery	0.851	1	198.3	198.2	200.1	204.1	212.0	218.6
Iron castings	0.387	3	180.7	183.5	206.0	209.2	172.4	203.6
Primary iron and steel	0.845	2	260.8	267.0	268.5	268.5	279.1	278.8
Sheet metal products	0.359	1	179.1	180.7	179.2	180.7	179.2	180.0
Transportation equipment	2.651	4	225.8	228.9	236.3	245.9	246.3	235.9
Aircraft and parts	0.203	1	240.4	232.0	256.2	263.2	251.6	215.5
Motor vehicles	1.035	4	329.9	340.9	351.7	373.5	373.6	355.0
Motor vehicle parts	0.462	2	247.1	250.3	261.6	266.6	269.8	261.5
Railway rolling stock	0.621	1	52.0	50.8	50.3	50.8	51.2	52.0
Shipbuilding and repairs	0.261	1	207.1	199.2	192.9	188.7	192.3	200.2
Non-ferrous metal products	1.601	3	172.1	168.4	170.2	173.5	168.7	172.6
Brass and copper products ...	0.241	1	157.3	143.4	136.6	135.1	140.5	149.0
Smelting and refining	1.028	3	188.1	185.4	189.0	193.3	184.9	189.3
Electrical apparatus and supplies	1.418	2	267.3	272.3	268.3	260.6	271.5	268.7
Heavy electrical machinery ..	0.489	1	176.0	176.7	177.7	177.8	175.7	175.0
Telecommunication equipment	0.142	3	671.3	694.3	678.6	625.9	730.2	656.5
Refrigerators and appliances	0.227	3	252.5	267.7	254.9	255.3	249.9	260.9
Non-metallic mineral products	0.794	2	290.3	280.1	288.7	292.8	294.7	301.7
Concrete products	0.098	4	871.0	800.3	859.5	872.4	865.1	887.7
Hydraulic cement	0.117	5	301.2	292.3	282.3	286.2	275.8	275.6
Domestic clay products	0.083	3	160.4	143.9	136.6	141.9	145.6	158.3
ELECTRIC POWER AND GAS UTILITIES	1.646	2	435.8	431.8	433.5	431.6	449.8	462.6
Electric power	1.480	2	395.4	395.6	397.5	393.3	412.9	420.9
Gas	0.166	3	795.8	754.6	754.9	773.1	778.8	834.1

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			July	Aug.	Sept.	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	197.8	207.9	220.8	216.0	222.7	236.8
MINING,	294.4	326.5	320.7	324.5	335.6	337.3	356.9	366.8
Metals	193.8	210.7	203.6	219.9	220.7	215.6	215.7	219.8
Gold	95.5	91.0	90.1	92.6	89.7	79.5	86.6	84.5
Copper	174.0	186.4	183.0	199.4	178.8	206.5	192.4	197.5
Iron ore	670.8	834.2	986.5	1,042.0	1,156.2	1,004.1	997.6	1,044.0
Nickel	171.0	181.2	162.1	168.4	161.3	198.1	207.2	189.7
Non-metals	228.1	324.9	310.0	323.7	351.7	370.2	410.8	401.9
Asbestos	239.1	259.9	244.7	257.9	262.6	246.7	268.4	270.0
Fuels	513.6	554.7	534.5	512.2	539.8	546.3	599.1	624.0
Coal	52.0	55.1	45.7	35.2	57.7	40.3	36.1	56.3
Natural gas	1,179.8	1,382.3	1,199.9	1,193.7	1,228.5	1,247.3	1,292.4	1,372.1
Petroleum	1,221.6	1,300.8	1,276.3	1,244.7	1,279.9	1,326.9	1,477.1	1,504.0
MANUFACTURING, TOTAL	173.9	188.2	174.3	185.6	197.9	192.4	197.0	210.7
NON-DURABLE MANUFACTURES	172.2	184.5	171.9	189.8	196.8	181.7	201.5	209.0
Food and beverages	162.1	174.1	182.4	192.0	189.9	185.8	199.9	202.3
Food	157.2	170.0	179.3	187.0	188.8	181.0	194.0	198.5
Meat products	163.6	182.8	166.2	177.4	190.2	184.8	188.7	199.7
Dairy products	163.5	171.5	195.1	188.5	183.5	195.0	199.5	191.7
Canning and processing	165.4	174.9	261.8	276.6	270.9	235.9	289.5	291.3
Grain mill products	145.9	182.5	168.3	182.8	178.5	174.8	181.6	192.5
Bakery products	138.8	147.7	156.6	154.1	153.9	156.4	155.5	154.7
Miscellaneous foods	164.3	169.3	143.0	159.1	167.4	151.6	164.5	175.9
Averages	177.6	187.3	192.3	208.0	193.4	200.8	218.3	214.2
Carbonated beverages	178.7	181.0	243.7	223.5	192.0	221.5	236.4	215.6
Breweries	159.9	168.2	196.8	181.8	147.2	203.7	181.3	144.7
Distilleries	220.3	242.5	129.4	258.4	287.9	176.8	288.1	357.4
Tobacco and tobacco products	207.7	214.0	166.1	230.5	236.6	165.1	228.6	237.5
Rubber products	190.5	213.8	162.5	159.9	237.0	161.1	165.9	241.5
Leather products	127.0	130.9	95.5	135.7	135.5	90.2	131.5	135.6
Boots and shoes	136.9	139.3	94.7	148.9	143.1	89.6	141.8	144.8
Textiles	159.5	172.2	134.1	164.5	180.3	144.2	182.5	203.9
Cotton goods	109.6	120.1	81.1	121.9	128.1	84.1	125.8	147.4
Wool goods	89.8	89.8	73.1	81.8	92.1	70.5	84.2	
Synthetic textiles and silk	281.0	306.8	223.2	283.4	323.8	260.7	344.5	387.9
Other	137.0(1)	135.8	118.2	163.0	163.5	123.4	168.7	172.0
Paper products	164.3	179.0	173.0	184.4	185.1	184.9	196.4	194.8
Pulp and paper	163.8	180.0	172.1	185.6	185.0	182.2	195.0	192.1

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	July	Aug.	Sept.	July	Aug.	Sept.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	150.6	147.3	167.9	163.0	167.3	174.5
Products of petroleum and coal	296.0	304.2	303.3	317.0	303.8	329.3	330.5	317.6
Petroleum products	319.7	329.5	328.0	343.2	328.3	357.1	358.5	343.9
Chemicals and allied products	249.1	279.0	247.8	275.5	293.3	280.0	301.3	317.2
Acids, alkalies, salts and fertilizers	302.0	331.7	264.3	309.4	360.4	310.9	339.2	388.8
Miscellaneous manufactures	246.6	261.9	262.0	268.9	278.3	274.9	279.1	288.1
DURABLE MANUFACTURES	175.9	192.7	177.0	180.6	199.2	204.8	191.8	212.8
Wood products	159.0	165.1	165.1	178.9	174.5	168.1	178.9	179.8
Saw and planing mills	172.1	179.3	184.6	198.0	189.7	177.3	192.1	191.0
Veneers and plywoods	358.8	399.3	349.8	380.1	405.2	298.7	430.8	432.1
Sawmills	162.3	167.0	171.7	194.8	180.3	174.4	178.3	183.1
Furniture	153.0	157.9	154.8	159.8	165.7	175.0	178.2	183.1
Iron and steel products	161.8	182.4	174.9	183.9	189.3	193.6	203.4	213.1
Machinery	160.2	179.2	181.9	183.4	185.7	206.5	212.4	219.1
Iron castings	151.1	180.7	167.5	180.0	183.0	184.1	156.9	203.1
Primary iron and steel	216.9	244.9	232.1	240.7	247.3	255.1	274.4	282.1
Sheet metal products	156.9	164.3	172.4	174.3	177.1	193.9	192.8	192.1
Transportation equipment	181.4	198.5	141.4	117.1	189.6	216.8	112.4	183.1
Aircraft and parts	233.8	270.9	275.0	274.0	274.4	256.6	246.6	211.1
Motor vehicles	257.6	276.1	129.7	68.0	247.5	308.1	45.2	226.1
Motor vehicle parts	179.5	215.6	211.2	215.0	227.5	245.3	241.2	254.1
Railway rolling stock	41.1	47.3	48.5	48.2	47.9	51.3	51.3	52.1
Shipbuilding and repairs	197.2	187.6	193.9	185.2	186.2	193.8	192.3	200.1
Non-ferrous metal products	148.8	162.0	156.3	157.3	160.4	166.2	168.4	171.1
Brass and copper products ...	133.4	149.6	151.0	149.4	150.7	138.5	143.5	150.1
Smelting and refining	161.6	176.0	167.3	168.5	171.9	181.1	183.1	185.1
Electrical apparatus and supplies	223.5	239.2	218.9	239.4	257.9	240.2	267.6	283.1
Heavy electrical machinery ..	154.3	161.0	161.4	161.3	164.9	179.4	175.5	176.1
Telecommunication equipment	546.9	584.0	415.1	580.9	654.8	469.4	730.2	722.1
Refrigerators and appliances	221.6	233.8	208.6	219.3	262.5	224.4	221.2	284.1
Non-metallic mineral products	243.0	277.6	305.9	322.3	321.3	334.6	343.6	353.1
Concrete products	652.3	849.6	1,000.8	1,107.0	1,057.1	1,066.9	1,118.6	1,136.1
Hydraulic cement	246.0	277.5	343.5	341.8	350.9	374.9	359.1	358.1
Domestic clay products	136.7	146.1	155.8	162.2	162.3	160.1	159.1	180.1
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	347.2	348.6	375.1	368.5	384.8	414.1
Electric power	339.2	371.5	338.3	338.4	359.3	358.3	375.7	396.1
Gas	620.1	711.0	427.5	439.6	516.6	459.2	465.7	570.1

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fish- and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

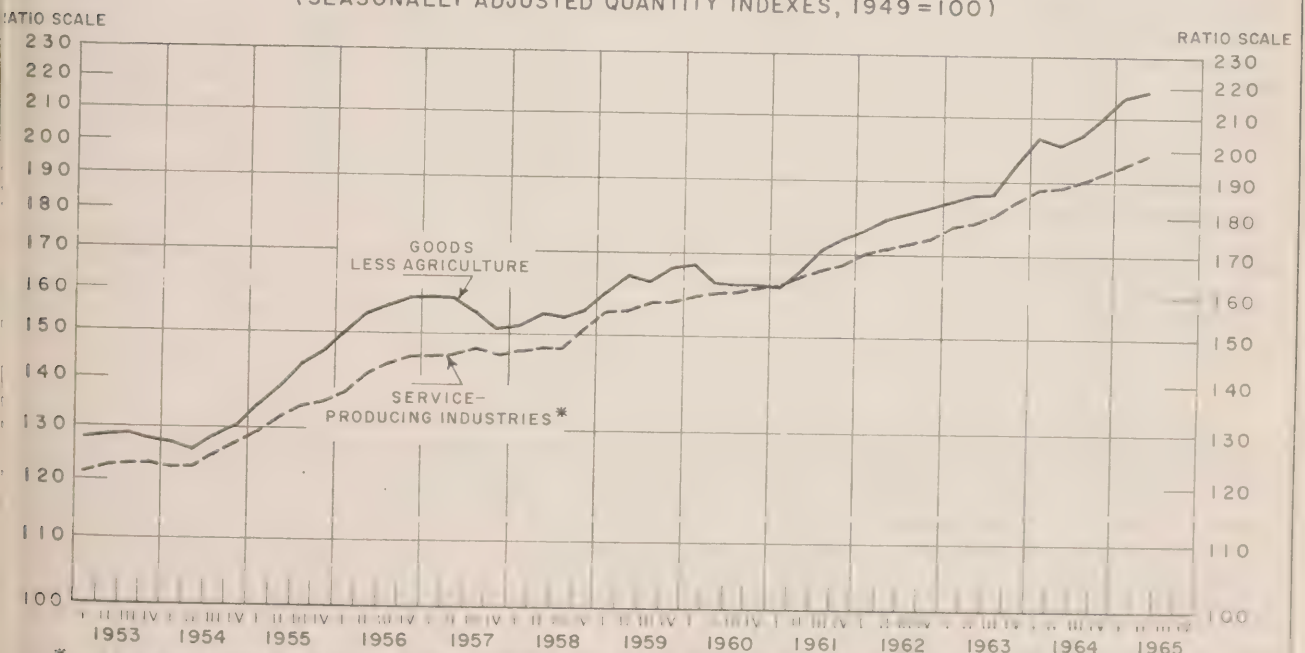
The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



REAL DOMESTIC PRODUCT LESS AGRICULTURE, SECOND QUARTER, 1965

Seasonally adjusted non-agricultural real output reached an index level of 207.9 in the second quarter of 1965, an increase of about one per cent from the first quarter of this year. Most of the major industry divisions contributed to this gain.

During the seventeen quarters of the current expansion, non-agricultural real output has achieved substantial gains. During the second quarter of 1965 real domestic product less agriculture reached a level 28 per cent above its first quarter, 1961, cyclical trough. This compares with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. This current expansion has also been of longer duration than either of the preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production.

	IQ'61 - IIQ'64		IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product										
less agriculture	20.2	20.2	21.4	21.4	23.9	23.9	26.6	26.6	28.2	28.2
Forestry	18.9	.4	29.1	.6	21.3	.4	30.9	.6	39.8	.8
Fishing and trapping ..	18.3	-.1	15.6	-.1	3.5	--	11.4	-.1	15.4	-.1
Mining	29.7	1.7	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0
Manufacturing	26.5	7.4	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8
Non-durable	19.6	3.1	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9
Durable	35.2	4.3	38.5	4.8	38.4	4.7	46.0	5.6	48.3	6.0
Construction	14.6	1.0	15.8	1.1	25.6	1.8	32.1	2.2	34.4	2.4
Electric power and gas										
utilities	31.4	1.1	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5
Other goods, n.e.c. ...	13.1	.1	14.1	.1	14.1	.1	14.1	.2	14.5	.2
Transportation, storage										
and communication ...	24.2	2.3	25.3	2.5	27.1	2.6	29.0	2.8	31.4	3.0
Transportation	25.5	1.8	26.3	1.9	28.8	2.0	30.7	2.2	33.1	2.3
Trade	17.4	2.7	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1
Wholesale	26.3	1.4	26.2	1.4	27.7	1.5	36.2	1.9	37.9	2.0
Retail	12.8	1.3	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0
Finance, insurance and										
real estate	16.5	1.8	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4
Public administration										
and defence	4.1	.2	3.7	.2	3.8	.2	4.9	.3	4.8	.3
Community, recreation,										
business and personal										
service	14.2	1.5	15.4	1.6	16.3	1.7	16.6	1.8	18.4	1.9

Throughout the current expansion various special factors have affected production in Canada to some degree, and it is useful to keep them in mind in examining current production trends. One such factor was the increase in exports, notably exports of grain during the latter part of 1963 and early in 1964. These export shipments stimulated production in a wide range of industries: flour milling, storage of grain, rail and water transport, and, indirectly, the production and sales of farm machinery and similar items. In addition, exports of manufactured goods and some raw materials have increased substantially over the course of the cycle. Another such factor is the increased investment in plant, equipment, social capital and housing which has occurred during the past two years. Following the relatively stable levels of the 1958-63 period, private residential and non-residential construction showed particularly strong increases during 1964 and continued at high levels in 1965. Public construction also was at very high levels during the first half of 1965. This increasing construction activity and the investment in machinery and equipment which also took place, exercised a stimulating influence on other domestic industries, notably those industries manufacturing construction materials and machinery.

It has also served to increase imports of machinery and equipment. In addition, the imposition of the sales tax on building materials in three successive stages affected, to some extent, the production and sales of building materials during this period. The rate of increase in the production and sales of these materials appears to have temporarily accelerated in anticipation of the last two stages of the tax. While significant for individual industries, their effect on the level of total non-agricultural output has been marginal. A third factor, which has affected production movements particularly since the last half of 1964 is the presence of labour disputes, both in the United States and Canada. In particular, the motor vehicle industry's output levels declined sharply in the fourth quarter of 1964 and recovered gradually during the early months of 1965, reaching a peak in March. Labour disputes also occurred in several other industries during 1965, such as trade (which was affected by the Quebec Liquor Board strike), distilleries, and aircraft.

Because of the effects of the above-mentioned labour disputes on the output of motor vehicles, and because of the exceptional increases in the output of this industry since the beginning of the current expansion, it might be interesting to examine the movements in non-agricultural real output after the exclusion of the industries which manufacture and sell automobiles and parts. The following table shows a comparison between the motor vehicle group of industries and the remaining industries. In the early, strong expansionary forces were at work in both sectors, although not to the same degree. The output of the motor vehicles group almost doubled during this period, while the remaining industries increased by 26.5 per cent. Total non-agricultural output increased by 28 per cent.

	Non-agricultural real output	Motor vehicle industries(1)	Non-agricultural output, less motor vehicle industries
1949 Industry Weight	89,286	2,347	86,939
(Seasonally adjusted indexes, 1949=100)			
1961 - 1st Quarter	162.2	149.5	162.5
2nd "	165.3	152.8	165.6
3rd "	169.2	167.0	169.3
4th "	170.8	178.4	170.6
1962 - 1st Quarter	173.5	178.7	173.4
2nd "	175.5	190.2	175.1
3rd "	176.8	191.4	176.4
4th "	178.0	216.0	177.0
1963 - 1st Quarter	180.9	217.9	179.9
2nd "	182.4	219.1	181.4
3rd "	183.3	222.5	182.2
4th "	190.0	257.9	188.2
1964 - 1st Quarter	195.7	265.1	193.8
2nd "	194.9	255.9	193.3
3rd "	196.9	275.8	194.8
4th "	200.9	223.7	200.3
1965 - 1st Quarter	205.4	281.0	203.4
2nd "	207.9	296.5	205.5

(1) Includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

In the second quarter of 1965, about two-thirds of the increase in non-agricultural real output came from the service-producing industries. Within the goods-producing industry group, increases in manufacturing, construction and forestry were dampened by declines in other components, notably mining.

Within manufacturing, which showed a one per cent increase, durables advanced more rapidly than non-durables. The one and a half per cent gain in the durables group accounted for over two-thirds of the second quarter increase in manufacturing output. Most major components contributed to the gain.

As in the first quarter, transportation equipment accounted for more than half the increase in durables and showed the largest gain of any major group. The 7 per cent increase in motor vehicles and the 6 per cent increase in motor vehicle parts production accounted for all of the increase in the transportation equipment group, as declines occurred in shipbuilding and the strike-affected aircraft and parts industry. The electrical apparatus and supplies group continued to expand, while the output of the iron and steel and wood products industries continued its upward trend following a pause in the first quarter. The only industry group to show a decline in the second quarter was non-metallic mineral products, which declined substantially, largely as a result of decreases in the output of cement products. Within the non-durables group, which was up by one half of one per cent, only the chemical industry group showed fairly substantial gains in the second quarter, with most components contributing to this gain. Increases of up to about one per cent were recorded by textiles, paper and tobacco products. Leather products and foods and beverages showed declines of about 2 per cent, the latter mainly as a result of an 8 per cent drop in the production of beverage products, from particularly high first quarter levels. Both quarters were to some degree affected by labour disputes.

More than one quarter of the gain in non-agricultural output came from the 2 per cent increase in trade. The contribution of trade to the second quarter gain thus surpassed even that of manufacturing, which, by virtue of its large weight, is most often the main contributor to the changes in non-agricultural real output. Within trade, the 3 per cent gain in the retail trade component accounted for the larger part of the advance. Wholesale trade increased by one per cent. Most of the retail trade stores showed increases in the second quarter. The sales of food stores resumed their upward movement following a decline in the first quarter, as did department stores and variety stores. Motor vehicle dealer sales continued to increase, contributing nearly one-fifth to the second quarter gain in retail trade. Farm implement dealer sales also showed an increase. Lumber and building material dealer sales, however, continued to decline from very high fourth quarter levels. In wholesale trade movements were mixed, with declines in such trades as foods, textiles, and clothing more than offset by increases in farm machinery and very strong gains in the sales of the industrial and transportation equipment and supplies industry. Sales of petroleum products also increased in the quarter.

The transportation, storage and communications group increased by 2 per cent in the second quarter, with all three components contributing to the gain. Within transportation, the bulk of the increase came from advances in air, water and truck transport. Gains were also recorded in both the freight and the passenger component of railway transportation. However, urban and interurban passenger bus transport declined in the second quarter apparently as a result of labour disputes in the industry during that period.

The finance, insurance and real estate and the community, recreation, business and personal service groups jointly accounted for as much of the increase in non-agricultural real output as did manufacturing, namely about one quarter. Both industry groups advanced by about one and a half per cent in the quarter, which is slightly above the average for these industries. Within the latter group, business and personal services advanced most rapidly, with particular strength in such personal service industries as restaurants, hotels and motels.

Among the remaining industry groups forestry increased by 7 per cent, mainly as a result of an increase in pulpwood production in the second quarter. Public administration and defence showed a fractional decline from the first quarter, as the decline at the federal level was not quite offset by increases at the provincial and municipal levels. Declines also occurred in electric power and gas utilities and fishing and trapping. Mining, which declined by 2 per cent, was still slightly above its fourth quarter level. Almost the entire decline in this industry can be traced to the 5 per cent decline in the metal mining component, which resulted from large drops in the production of iron ore and "other metals" (including uranium). Non-metal mining also declined by about 5 per cent. Fuel mining recorded a 2 per cent increase in the second quarter, with both crude petroleum and natural gas production contributing to this gain.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3								
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3								
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
49 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
62 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
63 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
64 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
65 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.5	209.5	169.3	195.9	230.9	170.2
3								
4								
	Without seasonal adjustment							
62	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
63	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
64	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
65								
62 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
63 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
64 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
65 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.3	219.6	169.3	203.8	266.2	172.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.99
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.1
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.1
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.1
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.1
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.1
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.1
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.1
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.1
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.1
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.1
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.1
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.1
2	269.2	286.3	213.1	433.7	221.0	207.7	223.3	195.3	213.1
3									
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.1
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.1
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.1
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.1
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.1
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.1
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.1
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.1
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.1
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.1
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.1
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.1
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.1
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.1
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.1
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	216.1
2	262.1	295.9	213.7	421.9	226.2	215.5	222.0	202.9	226.1
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
9 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
2 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
3 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
4 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
- 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.8	210.7	191.2	176.4	218.5	198.4	208.8	198.6	225.6
3									
4									
Without seasonal adjustment									
.....	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
.....	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
.....	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
.....									
- 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
- 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
- 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
- 1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.5	211.6	191.6	176.4	219.7	201.9	211.5	199.0	229.0
3									
4									

Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

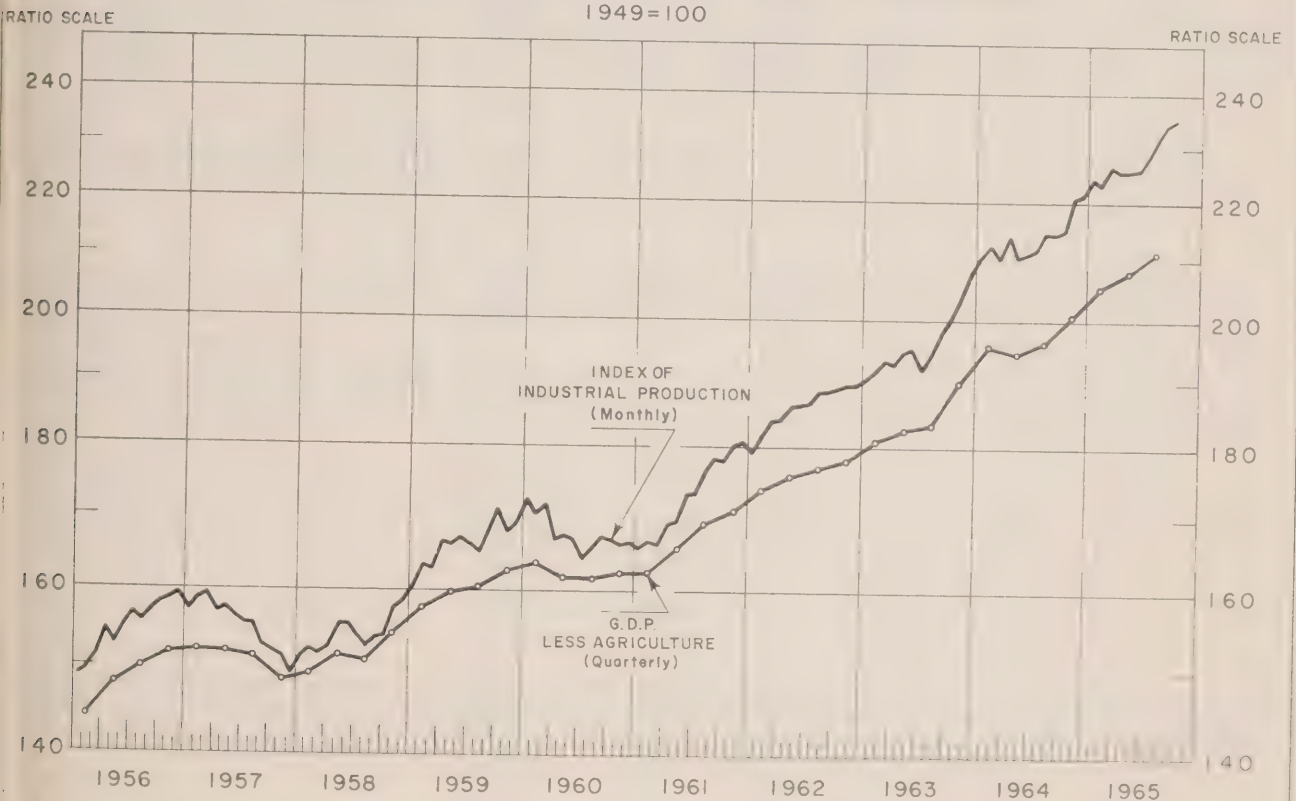
OCTOBER 1965

The seasonally adjusted index of industrial production advanced by 0.4 per cent in October.

Non-agricultural real output increased by 1.8 per cent in the third quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the third quarter of 1965.

ber 1965
-502

Industrial Output Section
National Accounts and Balance of Payments Division

OCTOBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was 0.4 per cent higher in October, rising to 235.4 from the revised September figure of 234.5. The gain left the Index more than 7 per cent higher for the year to date than for the same period last year and about 5 per cent higher than in January. Returning to September-October movements, the 1.4 per cent rise in manufacturing was, largely offset by a 6.1 per cent drop in mining. Electric power and gas utilities rose by 3.0 per cent

Both durables and non-durables shared in the gain in manufacturing, the former rising by 1.3 per cent and the latter by 1.5.

Within non-durables, food and beverages, paper products, and chemical and allied products were the major contributors to the rise with gains of 2, 3 and 4 per cent respectively. In addition, tobacco and rubber products, printing, publishing, and allied industries, and products of petroleum and coal had gains of from 2 to 5 per cent. In foods almost all components registered increases. The rise in beverages was due to a gain in breweries, a gain that was partially offset by declines in carbonated beverages and distilleries. Pulp and paper was the major contributor to the gain in paper products. All chemical products components shared in the increase. The gains in the above major groups were partially offset by declines in textiles and clothing.

On the durables side the major contribution to the increase was made by transportation equipment and, within that group, by motor vehicles, which rose by nearly 7 per cent. Wood products and electrical apparatus and supplies also contributed to the increase, rising by 3.2 and 0.6 per cent respectively. These gains were partially offset by declines in iron and steel products, non-ferrous metal products, and non-metallic mineral products. Primary iron and steel fell by 1.4 per cent.

The decline in mining originated in metals and fuels, each of which fell by 8 per cent. The fall in fuel mining was primarily attributable to crude petroleum, largely as a result of production adjustments in Alberta.

In metal mining, the declines in copper, iron ore and other metals (including uranium) were offset to only a slight extent by the increases in gold and nickel.

In utilities, the bulk of the 3.0 per cent rise was contributed by electric power, which rose by better than 3 per cent. Gas rose by nearly 2 per cent.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1966 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			May	June	July	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	225.4	225.9	228.5	232.4	234.5	235.4
MINING,	3.245	2	332.7	336.9	339.3	354.8	359.1	337.1
Metals	1.925	2	216.8	211.5	211.2	209.9	218.0	201.5
Gold	0.624	5	86.2	90.1	82.2	87.4	83.7	85.0
Copper	0.356	4	219.8	179.3	204.5	186.8	191.1	179.5
Iron ore	0.099	3	801.4	775.0	803.3	787.4	785.0	765.3
Nickel	0.337	4	202.1	202.8	208.5	207.2	193.6	199.6
Non-metals	0.268	5	372.6	381.2	383.5	390.7	377.1	406.3
Asbestos	0.214	5	262.6	280.2	274.1	261.1	262.1	283.2
Fuels	0.915	3	549.2	572.6	579.3	633.8	635.3	582.0
Coal	0.553	6	53.9	56.3	49.8	57.9	55.7	53.5
Natural gas	0.035	2	1,524.0	1,576.4	1,511.9	1,574.2	1,434.7	1,529.7
Petroleum	0.327	3	1,282.5	1,338.3	1,375.0	1,507.2	1,530.0	1,374.2
MANUFACTURING, TOTAL	27.340	3	200.3	200.2	203.1	204.8	206.0	208.8
NON-DURABLE MANUFACTURES	14.742	3	193.2	190.9	194.6	195.8	197.5	200.4
Foods and beverages	3.814	4	178.4	174.7	178.5	179.7	182.1	185.2
Foods	2.896	4	176.0	172.4	173.9	175.5	177.1	180.2
Meat products	0.523	4	185.9	182.7	202.0	197.8	194.4	198.0
Dairy products	0.450	3	176.6	170.1	168.2	179.1	174.5	173.8
Canning and processing	0.453	4	188.6	181.1	168.1	176.4	183.6	172.4
Grain mill products	0.322	4	181.7	178.5	184.0	183.7	195.3	198.0
Bakery products	0.558	3	147.8	147.1	149.2	147.5	148.8	156.3
Miscellaneous foods	0.590	4	180.5	179.1	175.6	174.2	175.7	188.4
Beverages	0.918	6	185.9	181.8	192.9	192.9	198.0	200.7
Carbonated beverages	0.231	6	197.7	179.3	167.9	184.4	199.6	183.2
Breweries	0.463	6	182.8	165.7	166.6	167.7	156.4	172.1
Distilleries	0.203	6	183.8	225.1	284.7	261.9	297.8	292.8
Tobacco and tobacco products ..	0.248	6	225.0	223.2	213.0	219.8	228.4	234.9
Rubber products	0.430	3	231.3	185.8	206.5	214.9	219.5	230.3
Leather products	0.508	2	125.0	124.0	122.4	129.0	130.5	130.5
Boots and shoes	0.307	4	132.4	130.1	129.9	135.4	140.2	142.3
Textiles	1.623	3	185.2	182.2	188.1	194.4	198.4	194.9
Cotton goods	0.507	4	127.3	118.2	127.8	131.0	138.5	127.8
Wool goods	0.300	3	87.6	88.7	86.0	85.9	101.2	92.1
Synthetic Textiles and Silk	0.429	3	348.6	349.1	362.1	379.4	374.0	380.2
Clothing	1.801	3	139.4	138.7	143.7	138.8	147.6	139.1
Paper products	2.649	3	187.6	189.6	190.9	192.0	191.2	196.6
Pulp and paper	2.108	3	189.0	191.4	191.4	191.9	190.2	195.8

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			May	June	July	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	174.6	172.0	172.9	175.6	173.6	178.5
Products of petroleum and coal	0.513	3	323.9	324.0	330.9	318.9	302.3	315.2
Petroleum products	0.454	3	350.9	351.7	359.3	345.7	326.6	341.6
Chemicals and allied products	1.359	2	301.2	303.4	307.1	308.6	312.2	324.8
Acids, alkalies, salts and fertilizers	0.346	2	356.6	374.1	377.8	365.5	384.2	396.8
Miscellaneous manufactures	0.524	1	267.5	271.6	276.8	276.6	275.8	275.3
DURABLE MANUFACTURES	12.598	3	208.5	211.1	213.1	215.4	215.9	218.7
Wood products	2.108	2	168.8	165.9	163.9	167.7	173.0	178.6
Saw and planing mills	1.444	3	177.8	173.8	171.0	177.5	185.0	192.2
Veneers and plywoods	0.122	3	377.0	378.2	351.4	410.3	407.8	424.4
Sawmills	0.994	4	168.9	163.2	163.0	164.3	175.8	183.4
Furniture	0.460	2	177.3	177.3	177.3	174.7	174.5	176.6
Iron and steel products	4.026	2	195.2	198.9	200.5	203.1	205.5	203.8
Machinery	0.851	1	198.2	200.1	204.1	208.3	210.2	209.3
Iron castings	0.387	3	183.5	206.0	209.2	172.4	203.6	191.6
Primary iron and steel	0.845	2	267.0	268.5	268.5	279.1	278.8	274.8
Sheet metal products	0.359	1	180.7	179.2	180.7	179.9	182.3	186.7
Transportation equipment	2.651	4	228.9	236.3	245.9	246.3	237.1	249.7
Aircraft and parts	0.203	1	232.0	256.2	263.2	251.6	208.1	227.0
Motor vehicles	1.035	4	340.9	351.7	373.5	373.6	357.8	381.1
Motor vehicle parts	0.462	2	250.3	261.6	266.6	269.9	267.2	278.0
Railway rolling stock	0.621	1	50.8	50.3	50.8	50.9	50.5	49.9
Shipbuilding and repairs	0.261	1	199.2	192.9	188.7	192.3	200.0	201.8
Non-ferrous metal products	1.601	3	168.4	170.2	173.5	168.7	174.1	173.1
Brass and copper products ...	0.241	1	143.4	136.6	135.1	140.5	155.8	166.1
Smelting and refining	1.028	3	185.4	189.0	193.3	184.9	189.3	185.8
Electrical apparatus and supplies	1.418	2	272.3	268.3	260.6	271.5	269.7	271.3
Heavy electrical machinery ..	0.489	1	176.7	177.7	177.8	175.6	176.0	180.1
Telecommunication equipment	0.142	3	694.3	678.6	625.9	731.1	655.0	621.1
Refrigerators and appliances	0.227	3	267.7	254.9	255.3	249.9	261.1	276.7
Non-metallic mineral products	0.794	2	280.1	288.7	292.8	294.8	300.3	295.0
Concrete products	0.098	4	800.3	859.5	872.4	865.1	887.7	874.7
Hydraulic cement	0.117	5	292.3	282.3	286.2	275.8	275.6	286.1
Domestic clay products	0.083	3	143.9	136.6	141.9	145.6	153.3	148.6
ELECTRIC POWER AND GAS UTILITIES	1.646	2	431.8	433.5	431.6	449.8	462.6	476.4
Electric power.....	1.480	2	395.6	397.5	393.3	412.9	420.9	434.7
Gas	0.166	3	754.6	754.9	773.1	778.8	834.1	847.9

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	207.9	220.8	222.8	223.1	237.8	242.6
MINING,	294.4	326.5	324.5	335.6	340.3	361.0	373.2	350.1
Metals	193.8	210.7	219.9	220.7	221.3	222.5	233.2	211.5
Gold	95.5	91.0	92.6	89.7	91.3	86.6	84.5	86.5
Copper	174.0	186.4	199.4	178.8	189.9	192.4	197.2	179.5
Iron ore	670.8	834.2	1,042.0	1,156.2	1,040.4	997.6	1,044.0	880.1
Nickel	171.0	181.2	168.4	161.3	185.9	207.2	189.7	198.8
Non-metals	228.1	324.9	323.7	351.7	363.5	410.8	401.9	465.8
Asbestos	239.1	259.9	257.9	262.6	283.9	268.4	270.0	305.9
Fuels	513.6	554.7	512.2	539.8	549.4	599.1	620.4	567.5
Coal	52.0	55.1	35.2	57.7	62.4	36.1	56.3	58.9
Natural gas	1,179.8	1,382.3	1,193.7	1,228.5	1,395.1	1,292.4	1,276.9	1,437.9
Petroleum	1,221.6	1,300.8	1,244.7	1,279.9	1,279.7	1,477.1	1,504.0	1,334.3
MANUFACTURING, TOTAL	173.9	188.2	185.6	197.9	198.2	197.0	211.1	217.5
DURABLE MANUFACTURES	172.2	184.5	189.8	196.8	199.0	201.7	209.4	212.3
Foods and beverages	162.1	174.1	192.0	189.9	198.3	200.4	201.7	205.7
Foods	157.2	170.0	187.0	188.8	198.2	194.7	198.1	204.0
Meat products	163.6	182.8	177.4	190.2	196.0	188.7	199.7	208.5
Dairy products	163.5	171.5	188.5	183.5	166.9	199.5	192.0	169.3
Canning and processing	165.4	174.9	276.6	270.9	271.8	293.5	288.3	271.4
Grain mill products	145.9	182.5	182.8	178.5	184.8	182.1	193.6	201.1
Bakery products	138.8	147.7	154.1	153.9	160.8	155.2	153.9	160.5
Miscellaneous foods	164.3	169.3	159.1	167.4	210.4	164.7	176.4	217.3
Beverages	177.6	187.3	208.0	193.4	198.6	218.3	213.1	211.2
Carbonated beverages	178.7	181.0	223.5	192.0	153.5	236.4	215.6	151.9
Breweries	159.9	168.2	181.8	147.2	152.3	181.3	144.7	154.9
Distilleries	220.3	242.5	258.4	287.9	358.1	288.1	357.4	411.7
Tobacco and tobacco products	207.7	214.0	230.5	236.6	233.3	228.6	237.5	239.1
Rubber products	190.5	213.8	159.9	237.0	216.3	165.9	241.5	237.2
Leather products	127.0	130.9	135.7	135.5	131.6	131.5	134.8	131.6
Boots and shoes	136.9	139.3	148.9	143.1	136.7	141.8	145.1	141.2
Textiles	159.5	172.2	164.5	180.3	179.4	182.6	206.5	200.9
Cotton goods	109.6	120.1	121.9	128.1	128.8	125.8	147.4	134.2
Wool goods	89.8	89.8	81.8	92.1	97.4	84.2	107.3	103.1
Synthetic textiles and silk	281.0	306.8	283.4	323.8	314.6	333.7	387.5	384.0
Clothing	137.0(1)	135.8	163.0	163.5	162.6	168.7	175.6	166.9
Other products	164.3	179.0	184.4	185.1	188.7	196.4	194.7	202.7
Pulp and paper	163.8	180.0	185.6	185.0	189.2	195.0	192.1	201.7

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	147.3	167.9	177.1	167.3	174.8	188.3
Products of petroleum and coal	296.0	304.2	317.0	303.8	298.3	330.5	317.6	317.7
Petroleum products	319.7	329.5	343.2	328.3	322.0	358.5	343.9	343.7
Chemicals and allied products	249.1	279.0	275.5	293.3	289.4	301.3	315.7	325.7
Acids, alkalies, salts and fertilizers	302.0	331.7	309.4	360.4	346.9	339.2	388.8	396.7
Miscellaneous manufactures	246.6	261.9	268.9	278.3	281.4	279.9	288.2	290.7
DURABLE MANUFACTURES	175.9	192.7	180.6	199.2	197.3	191.5	213.2	223.7
Wood products	159.0	165.1	178.9	174.5	167.8	178.9	183.9	177.7
Saw and planing mills	172.1	179.3	198.0	189.7	179.2	192.1	197.2	186.7
Veneers and plywoods	358.8	399.3	380.1	405.2	408.2	430.8	432.3	430.7
Sawmills	162.3	167.0	194.8	180.3	165.9	178.3	186.3	172.7
Furniture	153.0	157.9	159.8	165.7	167.9	178.4	184.3	187.7
Iron and steel products	161.8	182.4	183.9	189.3	191.4	202.7	211.1	207.7
Machinery	160.2	179.2	183.4	185.7	189.9	208.7	211.0	212.7
Iron castings	151.1	180.7	180.0	183.0	164.0	156.9	203.0	182.7
Primary iron and steel	216.9	244.9	240.7	247.3	257.3	274.4	282.1	277.7
Sheet metal products	156.9	164.3	174.3	177.1	174.9	193.6	194.7	191.7
Transportation equipment	181.4	198.5	117.1	189.6	171.2	112.4	184.7	243.7
Aircraft and parts	233.8	270.9	274.0	274.4	273.3	246.6	204.6	226.7
Motor vehicles	257.6	276.1	68.0	247.5	203.5	45.2	228.3	365.7
Motor vehicle parts	179.5	215.6	215.0	227.5	214.9	241.3	260.0	274.7
Railway rolling stock	41.1	47.3	48.2	47.9	49.2	51.0	50.7	51.7
Shipbuilding and repairs	197.2	187.6	185.2	186.2	191.3	192.3	200.0	201.7
Non-ferrous metal products	148.8	162.0	157.3	160.4	168.7	168.4	172.7	175.7
Brass and copper products ...	133.4	149.6	149.4	150.7	152.5	143.5	157.8	166.7
Smelting and refining	161.6	176.0	168.5	171.9	185.1	183.1	185.1	186.7
Electrical apparatus and supplies	223.5	239.2	239.4	257.9	265.8	267.6	284.5	289.7
Heavy electrical machinery ..	154.3	161.0	161.3	164.9	167.1	175.4	177.8	181.7
Telecommunication equipment	546.9	584.0	580.9	654.8	754.7	731.1	720.5	764.7
Refrigerators and appliances	221.6	233.8	219.3	262.5	249.8	221.2	284.6	271.7
Non-metallic mineral products	243.0	277.6	322.3	321.3	328.0	343.7	351.5	347.7
Concrete products	652.3	849.6	1,107.0	1,057.1	1,069.7	1,118.6	1,136.2	1,099.7
Hydraulic cement	246.0	277.5	341.8	350.9	360.2	359.1	358.3	367.7
Domestic clay products	136.7	146.1	162.2	162.3	162.3	159.1	174.5	167.7
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	348.6	375.1	400.4	384.8	414.4	447.7
Electric power	339.2	371.5	338.4	359.3	375.5	375.7	396.9	427.7
Gas	620.1	711.0	439.6	516.6	623.5	465.7	570.5	657.7

Real Domestic Product less Agriculture

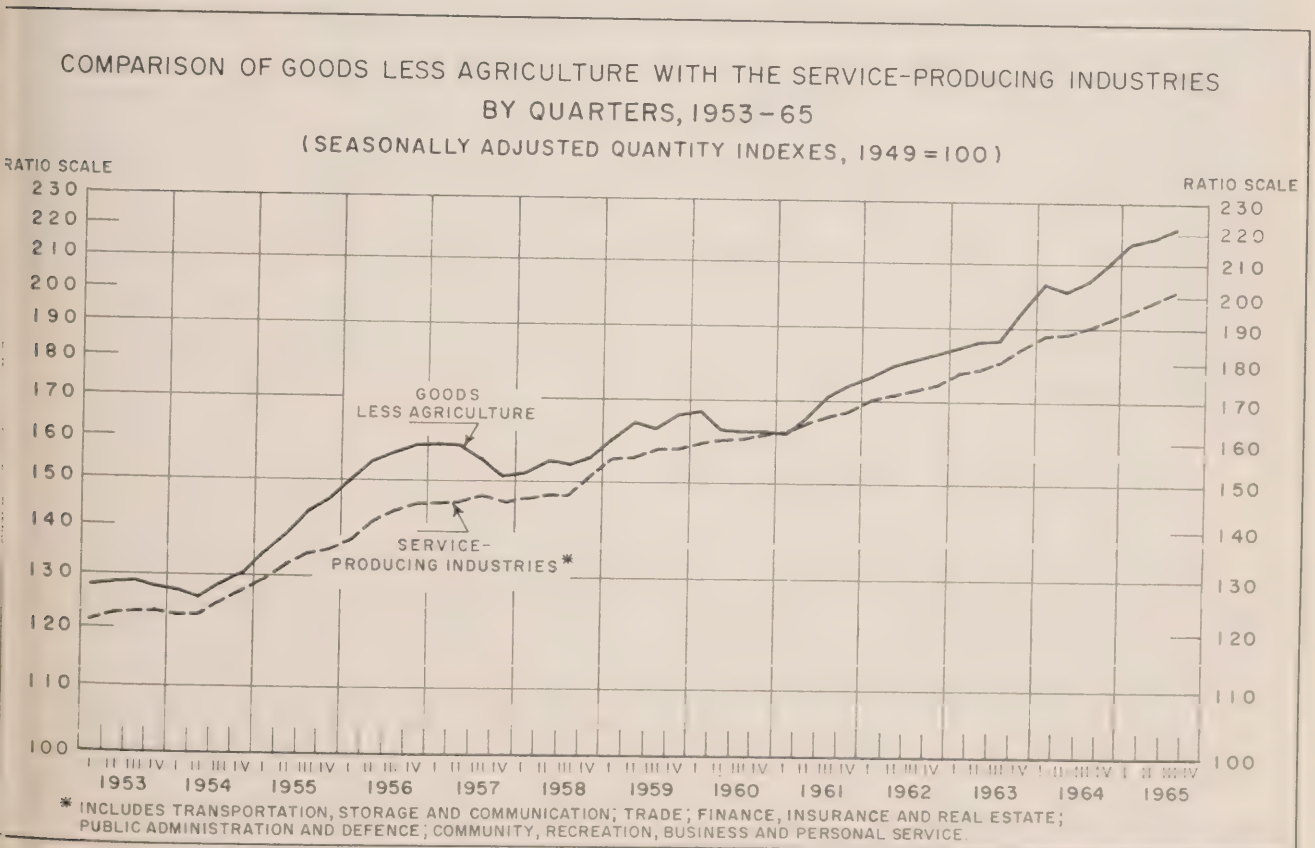
Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.



REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1965

Seasonally adjusted real domestic product less agriculture reached an index level of 211.3 in the third quarter of 1965, an increase of 1.8 per cent from the second quarter of this year. Most of the major industry divisions contributed to this gain

Over the eighteen quarters of the current expansion, non-agricultural real output has increased by 30 per cent from its first quarter, 1961, cyclical low. This compared with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. The current expansion has also been of considerably longer duration than either of the two preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production

	IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65		IQ'61 - IIIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product										
less agriculture	21.4	21.4	23.9	23.9	26.6	26.6	28.0	28.0	30.3	30.3
Forestry	29.1	.6	21.3	.4	30.9	.6	35.0	.6	19.9	.4
Fishing and trapping ..	15.6	- .1	- 3.5	--	- 11.4	- .1	- 17.8	- .1	- 17.1	- .1
Mining	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0	39.9	2.2
Manufacturing	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8	38.5	10.8
Non-durable	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9	27.9	4.4
Durable	38.5	4.8	38.4	4.7	46.0	5.6	48.2	5.9	52.0	6.4
Construction	15.8	1.1	25.6	1.8	32.1	2.2	33.4	2.3	35.5	2.5
Electric power and gas										
utilities	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5	47.3	1.6
Other goods, n.e.c. ...	14.1	.1	14.1	.1	14.1	.2	14.5	.2	14.9	.2
Transportation, storage										
and communication ...	25.3	2.5	27.1	2.6	29.0	2.8	31.2	3.0	34.8	3.4
Transportation	26.3	1.9	28.8	2.0	30.7	2.2	33.3	2.3	37.3	2.6
Trade	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1	28.5	4.5
Wholesale	26.2	1.4	27.7	1.5	36.2	1.9	38.0	2.0	40.2	2.2
Retail	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0	22.3	2.3
Finance, insurance and										
real estate	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4	22.9	2.5
Public administration										
and defence	3.7	.2	3.8	.2	4.9	.3	4.8	.3	5.5	.3
Community, recreation,										
business and personal										
service	15.4	1.6	16.3	1.7	16.6	1.8	18.5	1.9	19.7	2.1

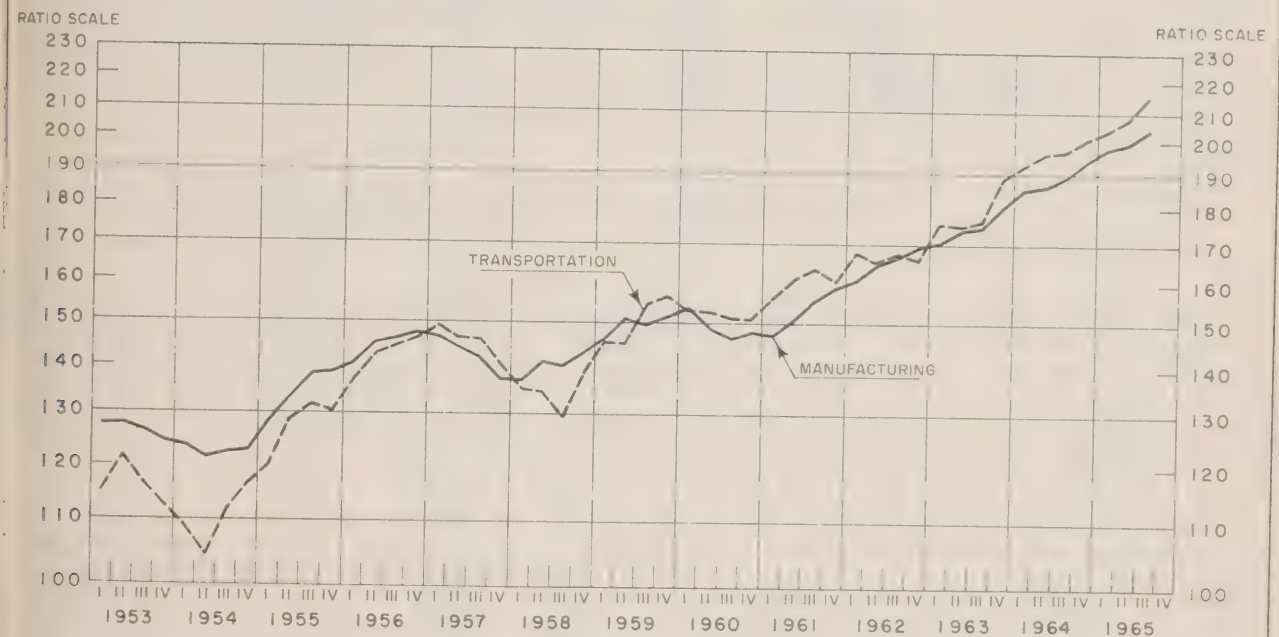
In the third quarter of 1965, just over one-half of the increase in non-agricultural real output came from the goods-producing industries. Manufacturing alone contributed over 40 per cent of the increase, while the gains in the other goods-producing industries were to some extent dampened by a drop in forestry which was the only major industry division to show a decline. This decline was attributable largely to a drop in pulpwood production from very high second quarter levels. Within services, most of the gain came from trade and the transportation, storage and communication group, which jointly accounted for about one-third of the increase in non-agricultural real output. The remaining service-producing industry divisions showed increases of up to one per cent in the third quarter.

Manufacturing increased by 2 1/2 per cent, with both durables and non-durables increasing at the same rate and thus contributing about equally to the third quarter gain.

Within non-durables, the textiles and chemicals groups showed the largest increases, 8 and 3 1/2 per cent, respectively. Together these two industry groups accounted for over one-half of the third quarter increase in non-durable manufacturing output. The synthetic textiles and silk industry accounted for most of the advance in textiles, while a large part of the gain in chemicals came from the acids, alkalies, salts and fertilizers component. The next largest contributors to the increase in non-durables were the foods and beverages and the paper products groups. The gain in the former was largely the result of increased production of beverage products, as the output of the distillery industry rose sharply from its strike-affected second quarter levels. Within foods, movements were mixed, as they have been through most of the year, resulting in only moderate advances in the output of the food products group. In the third quarter, there were strong gains in meat products and some components of grain milling and bakery products, while canning and preserving and confectionery products showed a decline. Increases of up to 2 1/2 per cent were also recorded by the other major groups in non-durables, with the exception of printing and publishing and tobacco products which declined marginally.

Within durables, almost all of the increase came from a 4 per cent gain in iron and steel products and a 5 1/2 per cent advance in the production of transportation equipment. Motor vehicles and parts production accounted for the entire gain in the latter group. In the case of the iron and steel group, most of the components contributed to the gain. Among the other major groups, increases of 3 1/2 and one per cent were recorded by non-metallic mineral products and non-ferrous metal products, respectively, while the wood products and the electrical apparatus and supplies groups showed small declines in the third quarter.

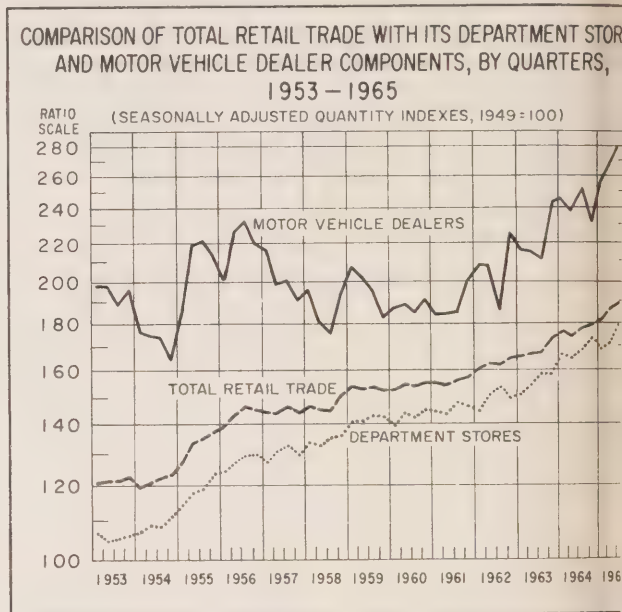
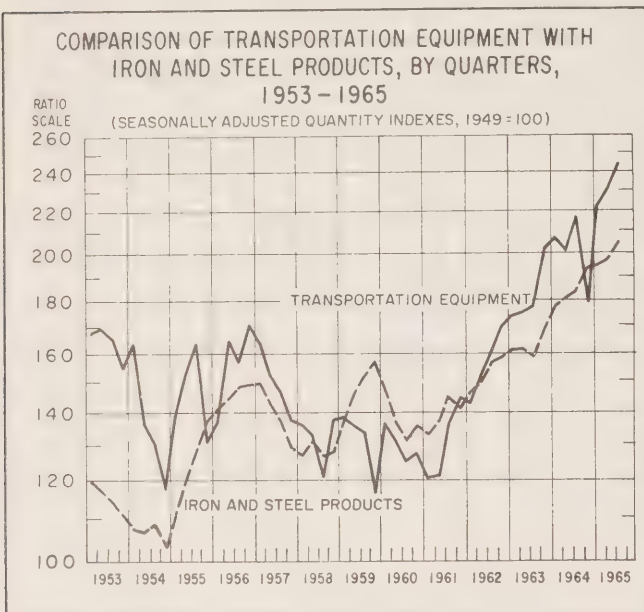
COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1953-64 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the gain in total non-agricultural real output came from the transportation, storage and communication group, which advanced by 3 per cent, and from trade, which up 2 per cent in the third quarter. All three components of the former group showed increases from second quarter levels, although the gains within the communications group were dampened by a drop in the post office component. Storage showed another strong quarterly increase, following substantial declines in the latter part of 1964 and early this year. This was largely the result of increased handling of grain at grain elevators, in the third quarter, particularly during August. Within transportation, increases ranging from 2 1/2 to 7 per cent were recorded by most major components, among them railway transport and shipping. Urban and interurban passenger bus transport showed particularly

strong gains, following a decline in the second quarter which was associated with labour disputes in Quebec during the month of June. The larger part of the 2 per cent advance in retail trade came from increased sales by motor vehicle dealers, department stores and clothing stores. Lumber and building material dealer sales also increased after having declined in the second quarter. Garages and filling stations and used car dealers were among the few retail trades to show a decline in the third quarter. Within wholesale trade, movements were mixed. Among those wholesale trades recording fairly strong gains were groceries and food specialties and meat and dairy products.

Among the remaining industry groups, increases ranging from one and a half to 3 1/2 per cent were recorded by construction, mining and electric power and gas utilities. Within mining, almost all of the strength came from fuel mining, particularly crude petroleum. Within metal mining, declines were widespread. Increases of up to one per cent were recorded by all the other industry divisions.



Real domestic product less agriculture for the first nine months of 1965 was 6.1 per cent above the corresponding period of 1964. The comparable increase in the first three quarters of last year was 7 per cent, which was the same as the rate of increase for the year 1964 as a whole. Seasonally adjusted non-agricultural real output would have to advance by 3 1/2 per cent in the final quarter of this year before a 7 per cent increase could be achieved for 1965. A one per cent increase in the fourth quarter would yield an annual level 6.3 per cent above the year 1964, while a one per cent decline would result in a 5.8 per cent increase from last year.

In making these comparisons, it is important to note the pattern of production and some of the factors which have affected the industrial scene during the past few years. In 1963 there was a particularly strong fourth quarter, as a result of export shipments of grain, sharp advances in construction, and an acceleration in the already rapid advance in the output of the industries engaged in the production and sales of motor vehicles and parts. The same factors persisted through the first quarter of 1964, resulting in a further increase in production. This was followed by a fractional decline in the second quarter when motor vehicle production, construction and the output and sales of building materials showed a drop. The advance in non-agricultural real output resumed during the third quarter of 1964 and has continued throughout the past year. In the final quarter of 1964, the strong advances in construction and the output and sales of building materials, together with the basic strength in most other industries, were dampened to a considerable extent by a drop of almost 20 per cent in the output and sales of the motor vehicle industry group. This drop was the result of strikes in the automobile industry both in the United States and Canada during the fourth quarter which persisted into the first quarter of 1965. A new peak in motor vehicle production was not reached until March of this year. By the third quarter of 1965, motor vehicle production and sales had increased by more than 111 per cent as measured from the beginning of the current expansion in the first quarter of 1961. In other industry areas as well output levels in 1965 have been affected by labour disputes,

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
965 - 1	205.4	168.7	125.7	346.4	226.1	395.9	564.1	197.5	190.1
2	207.6	174.0	116.7	339.4	214.5	377.7	575.2	199.6	191.1
3	211.3	154.5	117.6	351.1	213.0	383.8	616.2	204.6	196.0
4									
Without seasonal adjustment									
962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
965									
962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
965 - 1	193.4	144.3	76.6	333.4	202.3	342.5	615.7	192.6	183.1
2	210.1	151.5	118.1	339.6	222.9	392.0	547.8	204.2	191.2
3	214.0	184.8	163.3	357.2	223.8	394.3	588.6	200.2	197.6
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3	180.1	220.4	213.7	127.3	193.6	143.4	191.4	174.0
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3	196.0	210.4	189.5	118.8	177.8	155.9	192.0	168.4
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
965 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.6	209.4	169.3	195.9	230.4	170.2
3	317.3	309.3	276.4	214.8	168.2	203.0	243.1	172.1
4								
	Without seasonal adjustment							
962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
965								
962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
965 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.4	219.5	169.3	203.8	265.6	172.6
3	325.7	299.0	281.0	203.2	177.0	202.5	171.3	169.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.99
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.1
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.5
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.6
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.1
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.0
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.7
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.5
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.9
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.5
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.7
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.1
2	269.3	286.4	211.5	433.7	220.7	208.0	223.4	195.4	213.1
3	267.3	296.0	214.8	448.0	226.7	214.2	244.5	199.1	217.1
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.1
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.1
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.1
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.1
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	183.1
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.1
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.1
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	183.1
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.1
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	166.1
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	183.1
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	200.1
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	200.1
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	183.1
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	193.1
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	211.1
2	262.1	296.0	210.2	421.9	226.0	215.8	222.1	203.0	222.1
3	264.1	343.3	256.6	389.2	240.1	233.0	254.4	189.8	200.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
9 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
2 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
3 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
4 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
5 - 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.9	210.6	191.3	176.5	217.8	198.4	208.5	198.7	225.6
3	189.6	212.7	192.5	178.3	222.1	201.5	212.4	200.3	231.8
4									
Without seasonal adjustment									
2	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
3	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
4	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
2 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
3 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
4 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
5 - 1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.6	211.6	191.7	176.6	219.1	201.9	211.2	199.0	229.0
3	183.8	216.0	200.5	182.8	225.8	203.4	214.9	205.2	225.6
4									

Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

ranging from the postal workers' strike in the third quarter, to the labour disputes in urban and interurban bus transport and in the distilleries industry in the second quarter. Finally, the third quarter of this year saw renewed increases in the export shipments of grain which had slowed down during the latter part of 1964 and early in 1965.

Turning to the first 9 months of 1965, about one-third of the increase from the preceding year was contributed by the 7 per cent gain in manufacturing output. The durable manufacturing component in particular showed a strong gain (9%), largely as a result of increases of up to 14 per cent in the production of motor vehicles and parts and strong gains in most of the iron and steel products industries. Increases of 10 and 11 per cent, respectively, were recorded by electric power and gas utilities and construction, followed by a 9 per cent increase in wholesale trade and a 7 1/2 per cent advance in transportation. Retail trade, mining, non-durable manufacturing, and the communication industry groups showed gains exceeding 5 per cent. Lesser gains were shown by almost all the other industry groups. The post-war average rates of increase were thus exceeded by most of the major industry groupings.

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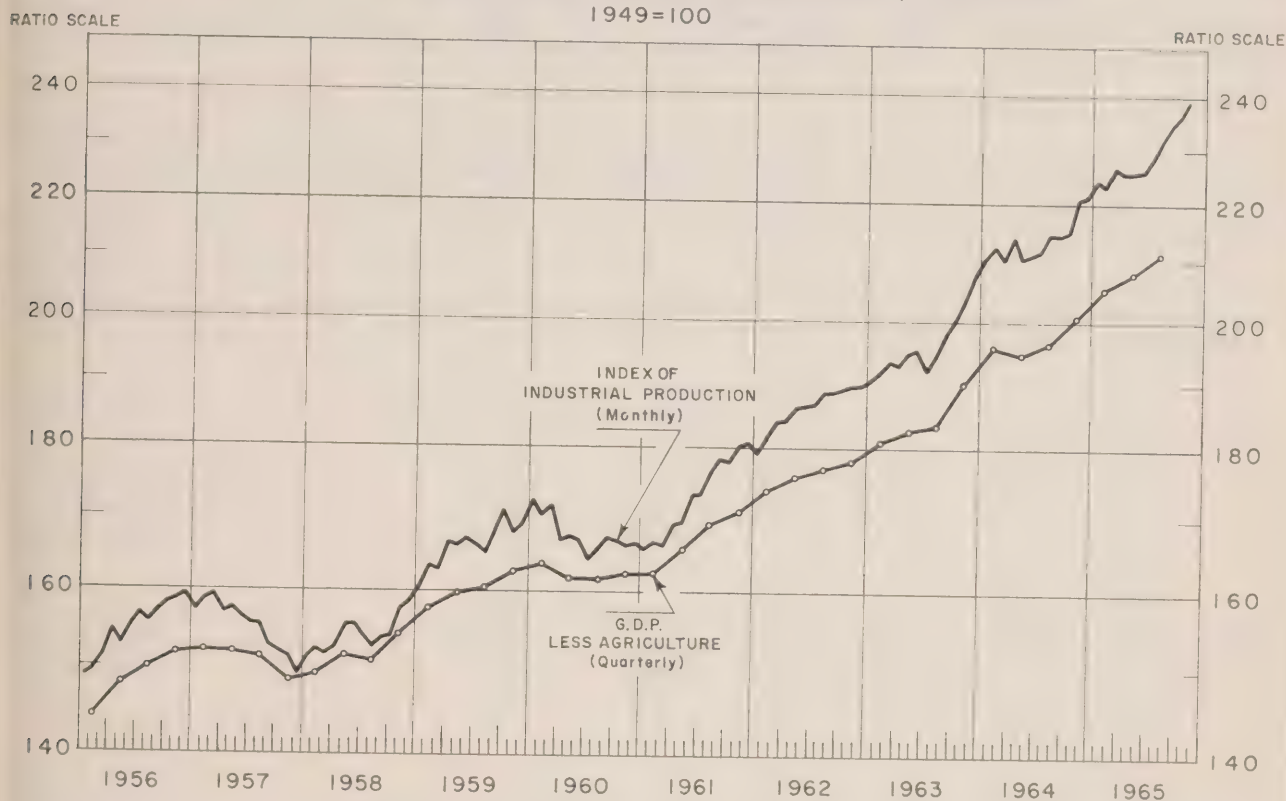
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

NOVEMBER 1965

The seasonally adjusted index of industrial production advanced by 1.2 per cent in November.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (3rd quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

January 1966
2205-502

NOVEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production was 1.2 per cent higher in November, rising to 239.2 from the revised October level of 236.3. The gain left the Index 7.5 per cent higher for the year to date than for the same period in 1964. All three major components contributed to the increase, mining rising by 5.7 per cent, manufacturing by 0.3 per cent, and electric power and gas utilities by 1.5 per cent.

As mining recovered from the declines of last month both metals (paced by iron ore) and fuels (paced by petroleum) registered substantial gains, rising by 8.2 per cent and 5.6 per cent respectively. Non-metal mining, on the other hand, fell by 2.7 per cent.

In manufacturing, the November increase was entirely concentrated in durables, which rose by 0.7 per cent, while non-durables showed practically no change. While nearly all major durable groups registered increases the major contributor was non-ferrous metal products which rose by more than 4 per cent. In transportation equipment the fractional declines in motor vehicles and motor vehicle parts were more than offset by rises in the other components. Also within the detail substantial advances were registered by iron castings and telecommunication equipment. Primary iron and steel fell by 2.6 per cent.

In non-durables, the increases in food, beverages, clothing, and in printing, publishing and allied industries were almost exactly offset by declines in the remaining major groups. Within the detail the rise in beverages (+ 4.3 per cent) was largely due to an advance in breweries, in turn attributable to recovery from a labour dispute.

In electric power and gas utilities both components shared in the increase, gas rising by more than 5 per cent and electric power by nearly 1 per cent.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1963 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to Sept. which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			June	July	Aug.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	225.9	228.5	232.4	234.4	236.3	239.2
MINING,	3.245	2	336.9	339.3	354.8	360.6	341.2	360.8
Metals	1.925	2	211.5	211.2	209.9	217.7	208.3	225.4
Gold	0.624	5	90.1	82.2	87.4	83.7	85.0	-
Copper	0.356	4	179.3	204.5	186.8	191.1	179.5	-
Iron ore	0.099	3	775.0	803.3	787.4	785.0	905.5	1,065.4
Nickel	0.337	4	202.8	208.5	207.2	193.6	199.6	203.9
Non-metals	0.268	5	381.2	383.5	390.7	377.1	407.6	396.6
Asbestos	0.214	5	280.2	274.1	261.1	262.1	283.2	258.0
Fuels	0.915	3	572.6	579.3	633.8	641.1	582.0	614.4
Coal	0.553	6	56.3	49.8	57.9	55.7	53.5	58.0
Natural gas	0.035	2	1,576.4	1,511.9	1,574.2	1,434.7	1,529.7	1,540.0
Petroleum	0.327	3	1,338.3	1,375.0	1,507.2	1,546.2	1,374.2	1,456.2
MANUFACTURING, TOTAL	27.340	3	200.2	203.1	204.8	206.2	209.4	210.1
NON-DURABLE MANUFACTURES	14.742	3	190.9	194.6	195.8	197.5	200.4	200.3
Foods and beverages	3.814	4	174.7	178.5	179.7	182.1	185.6	188.7
Foods	2.896	4	172.4	173.9	175.5	177.1	180.0	181.3
Meat products	0.523	4	182.7	202.0	197.8	194.4	198.0	194.6
Dairy products	0.450	3	170.1	168.2	179.1	174.5	173.8	176.1
Canning and processing	0.453	4	181.1	168.1	176.4	183.6	168.6	178.6
Grain mill products	0.322	4	178.5	184.0	183.7	195.3	198.1	196.3
Bakery products	0.558	3	147.1	149.2	147.5	148.7	155.5	154.0
Miscellaneous foods	0.590	4	179.1	175.6	174.2	175.6	190.8	193.2
Beverages	0.918	6	181.8	192.9	192.9	198.0	203.1	211.8
Carbonated beverages	0.231	6	179.3	167.9	184.4	199.6	183.2	188.9
Breweries	0.463	6	165.7	166.6	167.7	156.4	172.1	187.1
Distilleries	0.203	6	225.1	284.7	261.9	297.8	292.8	297.8
Tobacco and tobacco products ..	0.248	6	223.2	213.0	219.8	228.4	234.9	227.8
Rubber products	0.430	3	185.8	206.5	214.9	219.5	230.3	226.9
Leather products	0.508	2	124.0	122.4	129.0	130.5	130.6	128.3
Boots and shoes	0.307	4	130.1	129.9	135.4	140.2	142.3	137.5
Textiles	1.623	3	182.2	188.1	194.4	198.4	193.9	186.4
Cotton goods	0.507	4	118.2	127.8	131.0	138.5	127.8	115.2
Wool goods	0.300	3	88.7	86.0	85.9	101.2	92.1	80.3
Synthetic Textiles and Silk	0.429	3	349.1	362.1	379.4	374.0	374.9	368.1
Clothing	1.801	3	138.7	143.7	138.8	147.6	136.3	147.9
Paper products	2.649	3	189.6	190.9	192.0	191.2	196.0	192.3
Pulp and paper	2.108	3	191.4	191.4	191.9	190.2	195.8	191.8

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			June	July	Aug.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	172.0	172.9	175.6	173.6	179.3	183.6
Products of petroleum and coal	0.513	3	324.0	330.9	318.9	302.3	315.2	303.2
Petroleum products	0.454	3	351.7	359.3	345.7	326.6	341.6	327.8
Chemicals and allied products	1.359	2	303.4	307.1	308.6	312.2	327.2	323.9
Acids, alkalies, salts and fertilizers	0.346	2	374.1	377.8	365.5	384.2	396.8	410.7
Miscellaneous manufactures	0.524	1	271.6	276.8	276.6	276.0	277.2	278.0
DURABLE MANUFACTURES	12.598	3	211.1	213.1	215.4	216.2	220.0	221.6
Wood products	2.108	2	165.9	163.9	167.7	173.0	178.8	180.1
Saw and planing mills	1.444	3	173.8	171.0	177.5	185.0	192.0	192.5
Veneers and plywoods	0.122	3	378.2	351.4	410.3	407.8	424.4	429.9
Sawmills	0.994	4	163.2	163.0	164.3	175.8	183.4	183.0
Furniture	0.460	2	177.3	177.3	174.7	174.6	177.3	180.6
Iron and steel products	4.026	2	198.9	200.5	203.1	205.7	205.3	204.6
Machinery	0.851	1	200.1	204.1	208.3	210.9	211.1	213.6
Iron castings	0.387	3	206.0	209.2	172.4	203.6	191.6	203.1
Primary iron and steel	0.845	2	268.5	268.5	279.1	278.8	274.8	267.7
Sheet metal products	0.359	1	179.2	180.7	179.9	182.3	185.1	186.6
Transportation equipment	2.651	4	236.3	245.9	246.3	237.0	252.1	253.1
Aircraft and parts	0.203	1	256.2	263.2	251.6	208.1	254.8	267.2
Motor vehicles	1.035	4	351.7	373.5	373.6	357.8	381.1	379.7
Motor vehicle parts	0.462	2	261.6	266.6	269.9	266.9	279.7	278.5
Railway rolling stock	0.621	1	50.3	50.8	50.9	50.5	49.6	50.4
Shipbuilding and repairs	0.261	1	192.9	188.7	192.3	200.0	203.3	209.6
Non-ferrous metal products	1.601	3	170.2	173.5	168.7	176.1	175.2	182.5
Brass and copper products ...	0.241	1	136.6	135.1	140.5	169.3	177.1	179.0
Smelting and refining	1.028	3	189.0	193.3	184.9	189.3	185.3	195.8
Electrical apparatus and supplies	1.418	2	268.3	260.6	271.5	269.8	270.6	271.3
Heavy electrical machinery ..	0.489	1	177.7	177.8	175.6	176.0	180.8	183.7
Telecommunication equipment	0.142	3	678.6	625.9	731.1	655.8	623.1	657.3
Refrigerators and appliances	0.227	3	254.9	255.3	249.9	261.1	270.1	250.8
Non-metallic mineral products	0.794	2	288.7	292.8	294.8	300.4	296.8	302.5
Concrete products	0.098	4	859.5	872.4	865.1	887.7	874.7	891.9
Hydraulic cement	0.117	5	282.3	286.2	275.8	275.6	287.9	296.2
Domestic clay products	0.083	3	136.6	141.9	145.6	153.3	148.6	149.2
ELECTRIC POWER AND GAS UTILITIES	1.646	2	433.5	431.6	449.8	454.5	476.4	483.5
Electric power	1.480	2	397.5	393.3	412.9	411.9	434.7	437.6
Gas	0.166	3	754.9	773.1	778.8	834.1	847.9	892.8

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	220.8	222.8	228.0	237.7	243.6	248.4
MINING,	294.4	326.5	335.6	340.3	340.2	374.6	354.7	366.7
Metals	193.8	210.7	220.7	221.3	210.2	232.9	219.4	225.8
Gold	95.5	91.0	89.7	91.3	98.2	84.5	86.5	-
Copper	174.0	186.4	178.8	189.9	211.9	197.2	179.5	-
Iron ore	670.8	834.2	1,156.2	1,040.4	719.0	1,044.0	1,041.3	926.9
Nickel	171.0	181.2	161.3	185.9	201.8	189.7	198.8	214.1
Non-metals	228.1	324.9	351.7	363.5	379.7	401.9	467.5	441.9
Asbestos	239.1	259.9	262.6	283.9	302.1	270.0	305.9	281.2
Fuels	513.6	554.7	539.8	549.4	576.5	626.0	567.5	612.1
Coal	52.0	55.1	57.7	62.4	66.4	56.3	58.9	68.7
Natural gas	1,179.8	1,382.3	1,228.5	1,395.1	1,483.7	1,276.9	1,437.9	1,597.0
Petroleum	1,221.6	1,300.8	1,279.9	1,279.7	1,340.4	1,519.9	1,334.3	1,425.6
MANUFACTURING, TOTAL	173.9	188.2	197.9	198.2	202.1	211.3	218.0	219.1
NON-DURABLE MANUFACTURES	172.2	184.5	196.8	199.0	199.4	209.4	212.1	209.0
Foods and beverages	162.1	174.1	189.9	198.3	193.7	201.7	205.9	202.2
Foods	157.2	170.0	188.8	198.2	185.4	198.1	203.2	190.6
Meat products	163.6	182.8	190.2	196.0	207.4	199.7	208.5	214.8
Dairy products	163.5	171.5	183.5	166.9	154.0	192.0	169.3	154.1
Canning and processing	165.4	174.9	270.9	271.8	192.4	288.3	264.1	118.1
Grain mill products	145.9	182.5	178.5	184.8	186.7	193.6	201.3	204.3
Bakery products	138.8	147.7	153.9	160.8	159.1	153.8	159.7	167.5
Miscellaneous foods	164.3	169.3	167.4	210.4	208.4	176.3	219.9	222.5
Beverages	177.6	187.3	193.4	198.6	219.9	213.1	214.2	238.8
Carbonated beverages	178.7	181.0	192.0	153.5	179.8	215.6	151.9	181.3
Breweries	159.9	168.2	147.2	152.3	185.4	144.7	154.9	192.7
Distilleries	220.3	242.5	287.9	358.1	352.9	357.4	411.7	416.9
Tobacco and tobacco products	207.7	214.0	236.6	233.3	236.2	237.5	239.1	241.7
Rubber products	190.5	213.8	237.0	216.3	237.3	241.5	237.2	245.0
Leather products	127.0	130.9	135.5	131.6	133.8	134.8	131.6	132.9
Boots and shoes	136.9	139.3	143.1	136.7	139.0	145.1	141.2	140.5
Textiles	159.5	172.2	180.3	179.4	184.5	206.5	200.0	195.6
Cotton goods	109.6	120.1	128.1	128.8	130.7	147.4	134.2	125.1
Wool goods	89.8	89.8	92.1	97.4	89.9	107.3	103.1	83.5
Synthetic textiles and silk	281.0	306.8	323.8	314.6	337.4	387.5	378.6	385.4
Clothing	137.0(1)	135.8	163.5	162.6	152.5	175.6	163.5	157.7
Paper products	164.3	179.0	185.1	188.7	194.3	194.7	202.1	199.4
Pulp and paper	163.8	180.0	185.0	189.2	197.3	192.1	201.7	200.4

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	167.9	177.1	173.1	174.8	189.2	190.
Products of petroleum and coal	296.0	304.2	303.8	298.3	312.9	317.6	317.0	309.
Petroleum products	319.7	329.5	328.3	322.0	338.6	343.9	343.6	335.
Chemicals and allied products	249.1	279.0	293.3	289.4	292.4	315.7	328.1	320.
Acids, alkalies, salts and fertilizers	302.0	331.7	360.4	346.9	361.2	388.8	396.8	405.
Miscellaneous manufactures	246.6	261.9	278.3	281.4	278.5	288.4	292.7	291.
DURABLE MANUFACTURES	175.9	192.7	199.2	197.3	205.2	213.6	225.0	230.
Wood products	159.0	165.1	174.5	167.8	157.4	183.9	177.4	165.
Saw and planing mills	172.1	179.3	189.7	179.2	164.2	197.2	186.4	169.
Veneers and plywoods	358.8	399.3	405.2	408.2	414.6	432.3	430.3	438.
Sawmills	162.3	167.0	180.3	165.9	143.8	186.3	172.4	147.
Furniture	153.0	157.9	165.7	167.9	167.9	184.4	187.8	187.
Iron and steel products	161.8	182.4	189.3	191.4	195.2	211.3	208.9	208.
Machinery	160.2	179.2	185.7	189.9	192.7	211.7	214.5	217.
Iron castings	151.1	180.7	183.0	164.0	175.3	203.0	182.0	193.
Primary iron and steel	216.9	244.9	247.3	257.3	261.9	282.1	277.5	278.
Sheet metal products	156.9	164.3	177.1	174.9	171.1	194.7	190.1	184.
Transportation equipment	181.4	198.5	189.6	171.2	213.3	184.6	245.5	282.
Aircraft and parts	233.8	270.9	274.4	273.3	275.6	204.6	254.3	272.
Motor vehicles	257.6	276.1	247.5	203.5	309.1	228.3	265.9	451.
Motor vehicle parts	179.5	215.6	227.5	214.9	214.5	259.7	275.8	286.
Railway rolling stock	41.1	47.3	47.9	49.2	50.0	50.7	51.0	51.
Shipbuilding and repairs	197.2	187.6	186.2	191.3	195.2	200.0	203.1	207.
Non-ferrous metal products	148.8	162.0	160.4	168.7	168.9	174.8	178.3	183.
Brass and copper products ...	133.4	149.6	150.7	152.5	154.6	171.5	177.5	178.
Smelting and refining	161.6	176.0	171.9	185.1	184.1	185.1	188.5	195.
Electrical apparatus and supplies	223.5	239.2	257.9	265.8	267.2	284.6	289.2	290.
Heavy electrical machinery ..	154.3	161.0	164.9	167.1	167.8	177.8	183.3	181.
Telecommunication equipment	546.9	584.0	654.8	754.7	747.0	721.4	767.0	799.
Refrigerators and appliances	221.6	233.8	262.5	249.8	258.0	284.6	272.3	261.
Non-metallic mineral products	243.0	277.6	321.3	328.0	318.3	351.6	343.8	334.
Concrete products	652.3	849.6	1,057.1	1,069.7	1,030.2	1,136.2	1,093.4	1,051.
Hydraulic cement	246.0	277.5	350.9	360.2	315.0	358.3	367.6	311.
Domestic clay products	136.7	146.1	162.3	162.3	165.5	174.5	164.9	161.
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	375.1	400.4	437.1	406.8	448.5	50.
Electric power	339.2	371.5	359.3	375.5	402.3	388.4	425.6	45.
Gas	620.1	711.0	516.6	623.5	748.8	570.5	652.9	89.

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

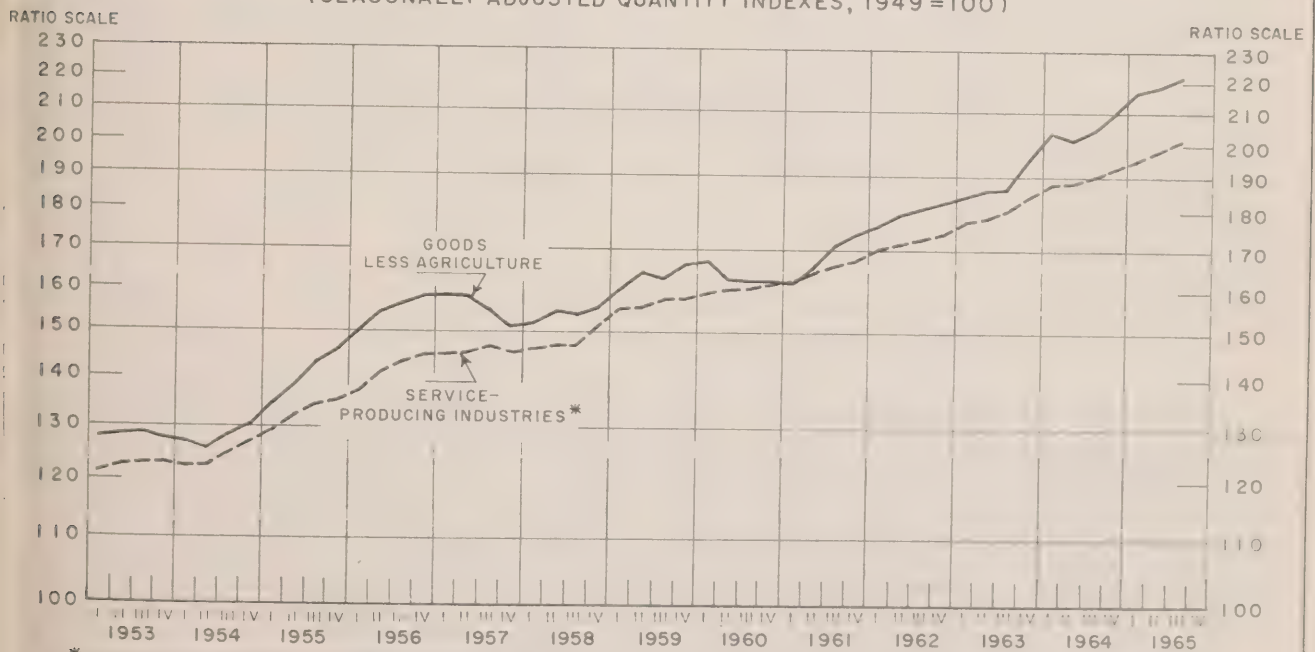
The real domestic product indexes are also an elaboration of the supply side of the National accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1965

Seasonally adjusted real domestic product less agriculture reached an index level of 211.3 in the third quarter of 1965, an increase of 1.8 per cent from the second quarter of this year. Most of the major industry divisions contributed to this gain

Over the eighteen quarters of the current expansion, non-agricultural real output has increased by 30 per cent from its first quarter, 1961, cyclical low. This compared with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. The current expansion has also been of considerably longer duration than either of the two preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production

	IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65		IQ'61 - IIIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	21.4	21.4	23.9	23.9	26.6	26.6	28.0	28.0	30.3	30.3
Forestry	29.1	.6	21.3	.4	30.9	.6	35.0	.6	19.9	.4
Fishing and trapping ..	15.6	-.1	3.5	--	11.4	-.1	17.8	-.1	17.1	-.1
Mining	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0	39.9	2.2
Manufacturing	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8	38.5	10.8
Non-durable	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9	27.9	4.4
Durable	38.5	4.8	38.4	4.7	46.0	5.6	48.2	5.9	52.0	6.4
Construction	15.8	1.1	25.6	1.8	32.1	2.2	33.4	2.3	35.5	2.5
Electric power and gas utilities	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5	47.3	1.6
Other goods, n.e.c. ...	14.1	.1	14.1	.1	14.1	.2	14.5	.2	14.9	.2
Transportation, storage and communication ...	25.3	2.5	27.1	2.6	29.0	2.8	31.2	3.0	34.8	3.4
Transportation	26.3	1.9	28.8	2.0	30.7	2.2	33.3	2.3	37.3	2.6
Trade	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1	28.5	4.5
Wholesale	26.2	1.4	27.7	1.5	36.2	1.9	38.0	2.0	40.2	2.2
Retail	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0	22.3	2.3
Finance, insurance and real estate	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4	22.9	2.5
Public administration and defence	3.7	.2	3.8	.2	4.9	.3	4.8	.3	5.5	.3
Community, recreation, business and personal service	15.4	1.6	16.3	1.7	16.6	1.8	18.5	1.9	19.7	2.1

In the third quarter of 1965, just over one-half of the increase in non-agricultural real output came from the goods-producing industries. Manufacturing alone contributed over 40 per cent of the increase, while the gains in the other goods-producing industries were to some extent dampened by a drop in forestry which was the only major industry division to show a decline. This decline was attributable largely to a drop in pulpwood production from very high second quarter levels. Within services, most of the gain came from trade and the transportation, storage and communication group, which jointly accounted for about one-third of the increase in non-agricultural real output. The remaining service-producing industry divisions showed increases of up to one per cent in the third quarter.

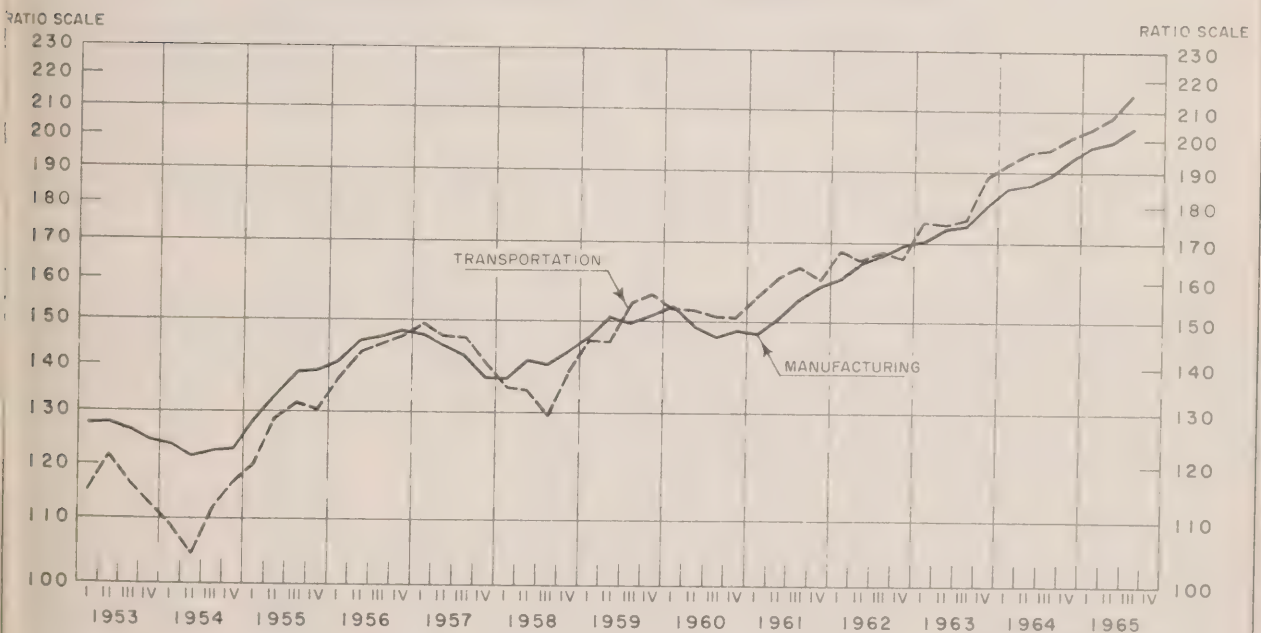
Manufacturing increased by 2 1/2 per cent, with both durables and non-durables increasing at the same rate and thus contributing about equally to the third quarter gain.

Within non-durables, the textiles and chemicals groups showed the largest increases, 8 and 3 1/2 per cent, respectively. Together these two industry groups accounted for over one-half of the third quarter increase in non-durable manufacturing output. The synthetic textiles and silk industry accounted for most of the advance in textiles, while a large part of the gain in chemicals came from the acids, alkalies, salts and fertilizers component. The next largest contributors to the increase in non-durables were the foods and beverages and the paper products groups. The gain in the former was largely the result of increased production of beverage products, as the output of the distillery industry rose sharply from its strike-affected second quarter levels. Within foods, movements were mixed, as they have been through most of the year, resulting in only moderate advances in the output of the food products group. In the third quarter, there were strong gains in meat products and some components of grain milling and bakery products, while canning and preserving and confectionery products showed a decline. Increases of up to 2 1/2 per cent were also recorded by the other major groups in non-durables, with the exception of printing and publishing and tobacco products which declined marginally.

Within durables, almost all of the increase came from a 4 per cent gain in iron and steel products and a 5 1/2 per cent advance in the production of transportation equipment. Motor vehicles and transportation production accounted for the entire gain in the latter group. In the case of the iron and steel group, most of the components contributed to the gain. Among the other major groups, increases of 3 1/2 per cent were recorded by non-metallic mineral products and non-ferrous metal products, respectively, while the wood products and the electrical apparatus and supplies groups showed small declines in the third quarter.

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1953 - 64

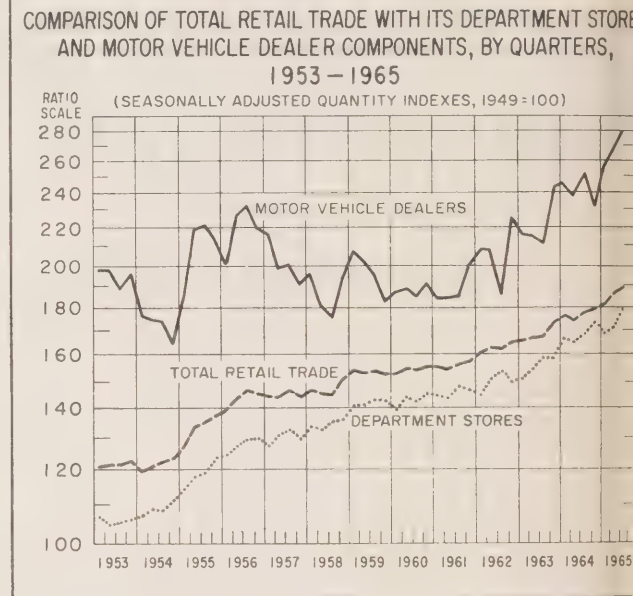
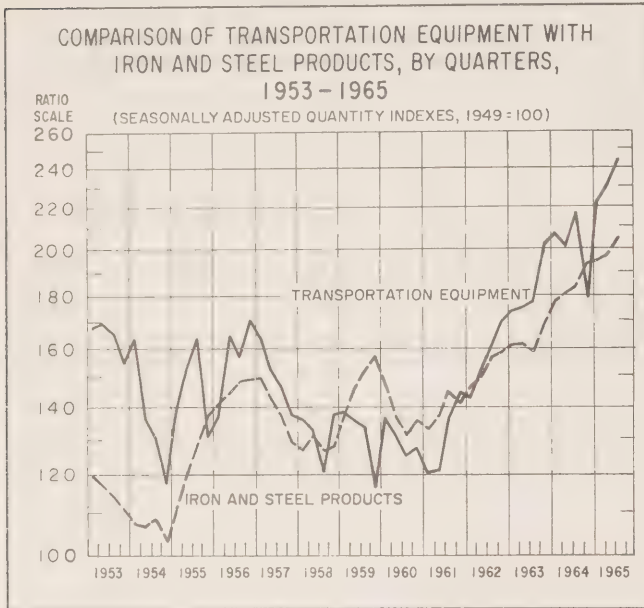
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the gain in total non-agricultural real output came from the transportation, storage and communication group, which advanced by 3 per cent, and from trade, which advanced by 2 per cent in the third quarter. All three components of the former group showed increases from second quarter levels, although the gains within the communications group were dampened by a drop in the post office component. Storage showed another strong quarterly increase, following substantial declines in the latter part of 1964 and early this year. This was largely the result of increased handling of grain at grain elevators, in the third quarter, particularly during August. Within transportation, increases ranging from 2 1/2 to 7 per cent were recorded by most major components, among them, railway transport and shipping. Urban and interurban passenger bus transport showed particularly

strong gains, following a decline in the second quarter which was associated with labour disputes in Quebec during the month of June. The larger part of the 2 per cent advance in retail trade came from increased sales by motor vehicle dealers, department stores and clothing stores. Lumber and building material dealer sales also increased after having declined in the second quarter. Garages and filling stations and used car dealers were among the few retail trades to show a decline in the third quarter. Within wholesale trade, movements were mixed. Among those wholesale trades recording fairly strong gains were groceries and food specialties and meat and dairy products.

Among the remaining industry groups, increases ranging from one and a half to 3 1/2 per cent were recorded by construction, mining and electric power and gas utilities. Within mining, almost all of the strength came from fuel mining, particularly crude petroleum. Within metal mining, declines were widespread. Increases of up to one per cent were recorded by all the other industry divisions.



Real domestic product less agriculture for the first nine months of 1965 was 6.1 per cent above the corresponding period of 1964. The comparable increase in the first three quarters of last year was 7 per cent, which was the same as the rate of increase for the year 1964 as a whole. Seasonally adjusted non-agricultural real output would have to advance by 3 1/2 per cent in the final quarter of this year before a 7 per cent increase could be achieved for 1965. A one per cent increase in the fourth quarter would yield an annual level 6.3 per cent above the year 1964, while a one per cent decline would result in a 5.8 per cent increase from last year.

In making these comparisons, it is important to note the pattern of production and some of the factors which have affected the industrial scene during the past few years. In 1963 there was a particularly strong fourth quarter, as a result of export shipments of grain, sharp advances in construction, and an acceleration in the already rapid advance in the output of the industries engaged in the production and sales of motor vehicles and parts. The same factors persisted through the first quarter of 1964, resulting in a further increase in production. This was followed by a fractional decline in the second quarter when motor vehicle production, construction and the output and sales of many building materials showed a drop. The advance in non-agricultural real output resumed during the third quarter of 1964 and has continued throughout the past year. In the final quarter of 1964, the strong advances in construction and the output and sales of building materials, together with the basic strength in most other industries, were dampened to a considerable extent by a drop of almost 20 per cent in the output and sales of the motor vehicle industry group. This drop was the result of strikes in the automobile industry both in the United States and Canada during the fourth quarter which persisted into the first quarter of 1965. A new peak in motor vehicle production was not reached until March of this year. By the third quarter of 1965, motor vehicle production and sales had increased by more than 111 per cent as measured from the beginning of the current expansion in the first quarter of 1961. In other industry areas as well output levels in 1965 have been affected by labour disputes,

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
1965 - 1	205.4	168.7	125.7	346.4	226.1	395.9	564.1	197.5	190.1
2	207.6	174.0	116.7	339.4	214.5	377.7	575.2	199.6	191.1
3	211.3	154.5	117.6	351.1	213.0	383.8	616.2	204.6	196.0
4									
Without seasonal adjustment									
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
1965									
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
1965 - 1	193.4	144.3	76.6	333.4	202.3	342.5	615.7	192.6	183.1
2	210.1	151.5	118.1	339.6	222.9	392.0	547.8	204.2	191.2
3	214.0	184.8	163.3	357.2	223.8	394.3	588.6	200.2	197.6
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3	180.1	220.4	213.7	127.3	193.6	143.4	191.4	174.0
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3	196.0	210.4	189.5	118.8	177.8	155.9	192.0	168.4
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
965 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.6	209.4	169.3	195.9	230.4	170.2
3	317.3	309.3	276.4	214.8	168.2	203.0	243.1	172.1
4								
	Without seasonal adjustment							
962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
965								
962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
965 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.4	219.5	169.3	203.8	265.6	172.6
3	325.7	299.0	281.0	203.2	177.0	202.5	171.3	169.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.3
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.0
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.6
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.9
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.0
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.9
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.4
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.7
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.9
2	269.3	286.4	211.5	433.7	220.7	208.0	223.4	195.4	213.6
3	267.3	296.0	214.8	448.0	226.7	214.2	244.5	199.1	217.1
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.9
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.6
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.2
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.0
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.3
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.7
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.5
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.0
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.4
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.4
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.3
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.2
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.5
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.8
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	216.7
2	262.1	296.0	210.2	421.9	226.0	215.8	222.1	203.0	226.8
3	264.1	343.3	256.6	389.2	240.1	233.0	254.4	189.8	201.2
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
49 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
62 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	183.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
63 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
64 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
65 - 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.9	210.6	191.3	176.5	217.8	198.4	208.5	198.7	225.6
3	189.6	212.7	192.5	178.3	222.1	201.5	212.4	200.3	231.8
4									
Without seasonal adjustment									
2	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
3	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
4	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
5									
62 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
63 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
64 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
65 - 1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.6	211.6	191.7	176.6	219.1	201.9	211.2	199.0	229.0
3	183.8	216.0	200.5	182.8	225.8	203.4	214.9	205.2	225.6
4									

Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

ranging from the postal workers' strike in the third quarter, to the labour disputes in urban and interurban bus transport and in the distilleries industry in the second quarter. Finally, the third quarter of this year saw renewed increases in the export shipments of grain which had slowed down during the latter part of 1964 and early in 1965.

Turning to the first 9 months of 1965, about one-third of the increase from the preceding year was contributed by the 7 per cent gain in manufacturing output. The durable manufacturing component in particular showed a strong gain (9%), largely as a result of increases of up to 14 per cent in the production of motor vehicles and parts and strong gains in most of the iron and steel products industries. Increases of 10 and 11 per cent, respectively, were recorded by electric power and gas utilities and construction, followed by a 9 per cent increase in wholesale trade and a 7 1/2 per cent advance in transportation. Retail trade, mining, non-durable manufacturing, and the communication industry group showed gains exceeding 5 per cent. Lesser gains were shown by almost all the other industry groups. The post-war average rates of increase were thus exceeded by most of the major industry groupings.

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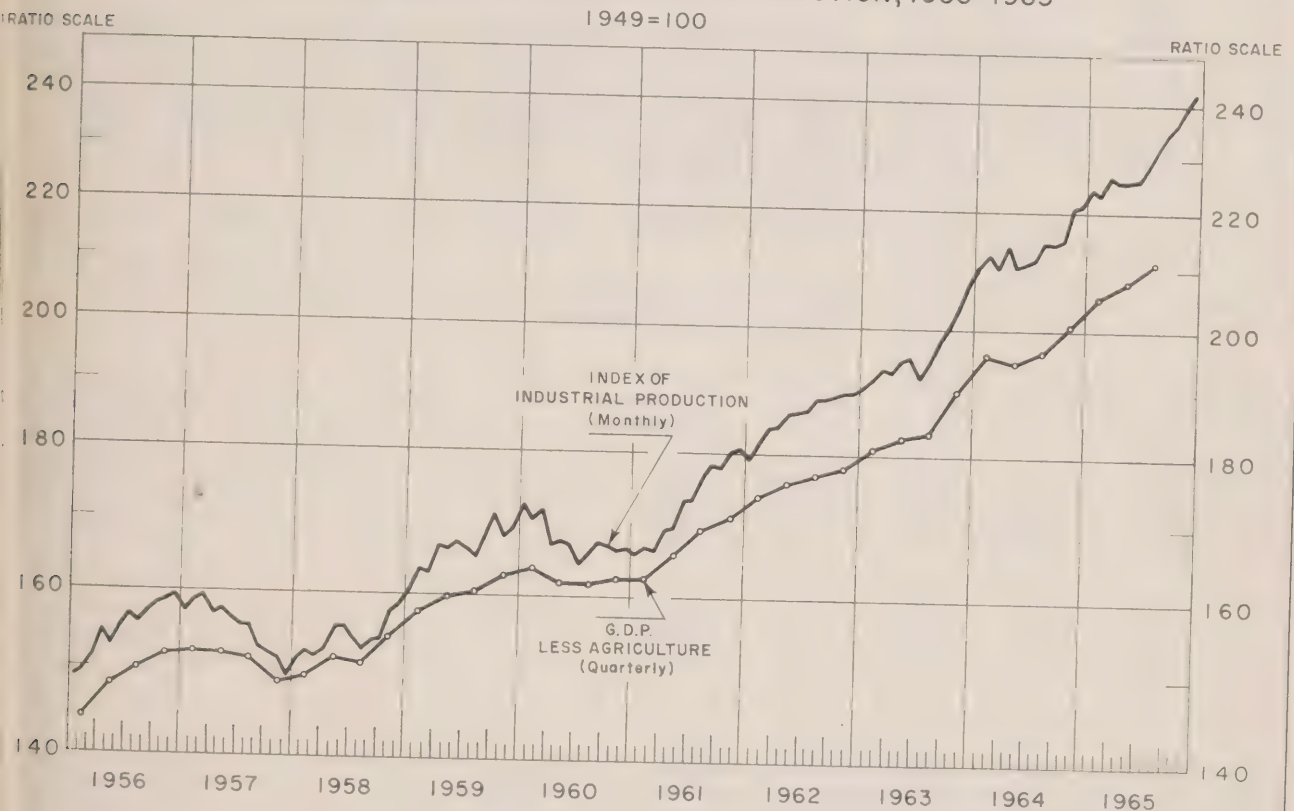
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

DECEMBER 1965

The seasonally adjusted index of industrial production advanced by 1.1 per cent in December.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (3rd quarter 1965).

Industrial Output Section
National Accounts and Balance of Payments Division

February 1966
65-502

DECEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production rose by 1.1 per cent from the revised November level of 239.5, closing out the year at the record level of 242.2. The latest gain left the total 1965 Index nearly 8 per cent higher than in 1964. Manufacturing was the major contributor to the gain in December as mining rose fractionally and electric power and gas utilities fell by 2.5 per cent. Both durables and non-durables contributed to the gain in manufacturing, rising by 1.9 and 1.6 per cent respectively.

Textiles were the major factor in the non-durable increase, rising by more than 6 1/2 per cent. Rubber products also registered a strong increase of 8.1 per cent. All other major non-durable components, with the exception of beverages, clothing, and printing, publishing and allied industries, also showed gains ranging up to 5%.

Iron and steel products and electrical apparatus and supplies were the major contributors to the 1.9 per cent increase in durable manufacturing, rising by 3.0 and 4.5 per cent respectively. The bulk of the increase in iron and steel products was attributable to a large rise in iron castings. Telecommunication equipment was primarily responsible for the increase in electrical apparatus and supplies. All other major durable groups, (with the exception of non-ferrous metal products) also registered gains of from 1/2 to 3 per cent. Primary iron and steel rose by 2.1 per cent.

In mining, the gains of 15 per cent and nearly 1 per cent in non-metals and metals respectively were almost entirely offset by a 3 per cent drop in fuels. The rise in non-metals was general, asbestos rising by more than 8 per cent while other components also showed a strong advance. The bulk of the latter increase was attributable to potash. Gains in most components of metals mining were nearly offset by a fall in iron ore from the high November level. The decline in fuels was common to all components, as decreases ranged between 3 and 6 per cent.

In electric power and gas utilities both electric power and gas fell, the former by nearly 2 and the latter by more than 5 per cent.

For the year 1965 as a whole the following changes from the previous year are now shown for the Index of Industrial Production and its principal components:

Index of Industrial Production	+ 7.8%
Mining	+ 6.3%
Manufacturing	+ 7.9%
Non-durables	+ 5.3%
Durables	+ 10.6%
Electric Power and Gas Utilities	+ 10.5%

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1963 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.
3. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to Sept. which have not been incorporated in the latter table.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	228.5	232.4	234.4	236.4	239.5	242.2
MINING,	3.245	2	339.3	354.8	360.6	340.6	362.2	363.3
Metals	1.925	2	211.2	209.9	217.7	208.5	226.9	228.0
Gold	0.624	5	82.2	87.4	83.7	85.0	83.1	82.8
Copper	0.356	4	204.5	186.8	191.1	180.6	201.1	204.3
Iron ore	0.099	3	803.3	787.4	785.0	905.5	1,065.4	916.0
Nickel	0.337	4	208.5	207.2	193.6	199.6	203.9	212.8
Non-metals	0.268	5	383.5	390.7	377.1	407.6	396.6	455.0
Asbestos	0.214	5	274.1	261.1	262.1	283.2	258.0	279.6
Fuels	0.915	3	579.3	633.8	641.1	579.6	614.4	594.8
Coal	0.553	6	49.8	57.9	55.7	53.5	58.0	54.6
Natural gas	0.035	2	1,511.9	1,574.2	1,434.7	1,527.2	1,540.0	1,468.0
Petroleum	0.327	3	1,375.0	1,507.2	1,546.2	1,367.9	1,456.2	1,414.8
MANUFACTURING, TOTAL	27.340	3	203.1	204.8	206.2	209.4	210.3	214.0
NON-DURABLE MANUFACTURES	14.742	3	194.6	195.8	197.5	200.3	200.1	203.4
Foods and beverages	3.814	4	178.5	179.7	182.1	185.5	188.5	188.1
Foods	2.896	4	173.9	175.5	177.1	179.9	181.0	182.9
Meat products	0.523	4	202.0	197.8	194.4	198.0	194.6	185.9
Dairy products	0.450	3	168.2	179.1	174.5	173.8	176.1	177.6
Canning and processing	0.453	4	168.1	176.4	183.6	168.3	178.0	197.0
Grain mill products	0.322	4	184.0	183.7	195.3	198.1	195.1	203.8
Bakery products	0.558	3	149.2	147.5	148.7	155.3	154.0	152.9
Miscellaneous foods	0.590	4	175.6	174.2	175.6	190.9	193.0	190.3
Beverages	0.918	6	192.9	192.9	198.0	203.1	212.1	204.7
Carbonated beverages	0.231	6	167.9	184.4	199.6	183.2	188.9	201.4
Breweries	0.463	6	166.6	167.7	156.4	172.1	187.1	167.9
Distilleries	0.203	6	284.7	261.9	297.8	292.8	297.8	293.5
Tobacco and tobacco products ..	0.248	6	213.0	219.8	228.4	234.9	227.8	230.4
Rubber products	0.430	3	206.5	214.9	219.5	230.3	226.9	245.3
Leather products	0.508	2	122.4	129.0	130.5	130.6	128.4	130.4
Boots and shoes	0.307	4	129.9	135.4	140.2	142.3	137.5	140.1
Textiles	1.623	3	188.1	194.4	198.4	193.9	183.9	196.4
Cotton goods	0.507	4	127.8	131.0	138.5	127.8	115.2	132.8
Wool goods	0.300	3	86.0	85.9	101.2	92.1	85.5	89.9
Synthetic Textiles and Silk	0.429	3	362.1	379.4	374.0	374.9	354.1	376.9
Clothing	1.801	3	143.7	138.8	147.6	136.3	148.1	147.8
Paper products	2.649	3	190.9	192.0	191.2	196.0	192.4	196.5
Pulp and paper	2.108	3	191.4	191.9	190.2	195.8	191.8	197.4

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					
			July	Aug.	Sept.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing,publishing and allied industries	1.273	4	172.9	175.6	173.6	179.5	184.0	182.3
Products of petroleum and coal	0.513	3	330.9	318.9	302.3	315.2	303.2	317.1
Petroleum products	0.454	3	359.3	345.7	326.6	341.6	327.8	343.1
Chemicals and allied products	1.359	2	307.1	308.6	312.2	326.3	324.0	327.2
Acids, alkalies, salts and fertilizers	0.346	2	377.8	365.5	384.2	396.8	410.7	426.5
Miscellaneous manufactures	0.524	1	276.8	276.6	276.0	275.8	277.6	278.7
DURABLE MANUFACTURES	12.598	3	213.1	215.4	216.2	220.0	222.3	226.5
Wood products	2.108	2	163.9	167.7	173.0	178.7	180.5	183.6
Saw and planing mills	1.444	3	171.0	177.5	185.0	192.0	192.7	196.7
Veneers and plywoods	0.122	3	351.4	410.3	407.8	424.4	429.9	428.6
Sawmills	0.994	4	163.0	164.3	175.8	183.4	183.0	188.5
Furniture	0.460	2	177.3	174.7	174.6	177.2	181.6	182.0
Iron and steel products	4.026	2	200.5	203.1	205.7	205.3	204.8	211.0
Machinery	0.851	1	204.1	208.3	210.9	210.6	212.2	214.3
Iron castings	0.387	3	209.2	172.4	203.6	191.6	203.1	241.6
Primary iron and steel	0.845	2	268.5	279.1	278.8	274.8	267.7	273.2
Sheet metal products	0.359	1	180.7	179.9	182.3	184.9	185.4	186.8
Transportation equipment	2.651	4	245.9	246.3	237.0	252.2	254.0	254.9
Aircraft and parts	0.203	1	263.2	251.6	208.1	254.8	264.6	279.4
Motor vehicles	1.035	4	373.5	373.6	357.8	381.1	379.9	376.0
Motor vehicle parts	0.462	2	266.6	269.9	266.9	280.1	284.1	292.2
Railway rolling stock	0.621	1	50.8	50.9	50.5	49.6	50.4	50.4
Shipbuilding and repairs	0.261	1	188.7	192.3	200.0	203.3	210.3	209.6
Non-ferrous metal products	1.601	3	173.5	168.7	176.1	175.2	183.0	181.4
Brass and copper products ...	0.241	1	135.1	140.5	169.3	176.9	179.9	184.0
Smelting and refining	1.028	3	193.3	184.9	189.3	185.3	196.0	192.1
Electrical apparatus and supplies	1.418	2	260.6	271.5	269.8	270.6	273.2	285.6
Heavy electrical machinery ..	0.489	1	177.8	175.6	176.0	180.8	184.5	184.8
Telecommunication equipment	0.142	3	625.9	731.1	655.8	622.6	656.9	760.9
Refrigerators and appliances	0.227	3	255.3	249.9	261.1	270.1	252.9	260.3
Non-metallic mineral products	0.794	2	292.8	294.8	300.4	296.8	304.1	309.2
Concrete products	0.098	4	872.4	865.1	887.7	874.7	891.9	913.3
Hydraulic cement	0.117	5	286.2	275.8	275.6	287.9	296.2	310.1
Domestic clay products	0.083	3	141.9	145.6	153.3	148.6	149.2	162.5
ELECTRIC POWER AND GAS UTILITIES	1.646	2	431.6	449.8	454.5	480.6	483.5	471.3
Electric power.....	1.480	2	393.3	412.9	411.9	433.7	437.6	429.8
Gas	0.166	3	773.1	778.8	834.1	898.5	892.8	841.8

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964			1965		
			Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	222.8	228.0	213.2	243.6	248.7	238.1
MINING,	294.4	326.5	340.3	340.2	319.7	354.2	368.2	352.0
Metals	193.8	210.7	221.3	210.2	185.4	219.6	227.3	210.7
Gold	95.5	91.0	91.3	98.2	85.7	86.5	86.4	81.6
Copper	174.0	186.4	189.9	211.9	190.2	180.6	222.2	200.2
Iron ore	670.8	834.2	1,040.4	719.0	573.4	1,041.3	926.9	641.2
Nickel	171.0	181.2	185.9	201.8	215.9	198.8	214.1	227.7
Non-metals	228.1	324.9	363.5	379.7	326.8	467.5	441.9	422.6
Asbestos	239.1	259.9	283.9	302.1	253.1	305.9	281.2	268.4
Fuels	513.6	554.7	549.4	576.5	598.6	565.2	612.1	625.4
Coal	52.0	55.1	62.4	66.4	63.5	58.9	68.7	61.3
Natural gas	1,179.8	1,382.3	1,395.1	1,483.7	1,763.4	1,435.6	1,597.0	1,713.2
Petroleum	1,221.6	1,300.8	1,279.7	1,340.4	1,377.2	1,328.2	1,425.6	1,462.9
MANUFACTURING, TOTAL	173.9	188.2	198.2	202.1	184.6	218.0	219.2	207.3
NON-DURABLE MANUFACTURES	172.2	184.5	199.0	199.4	182.7	212.0	208.7	195.0
Foods and beverages	162.1	174.1	198.3	193.7	173.7	205.8	202.0	176.3
Foods	157.2	170.0	198.2	185.4	170.7	203.1	190.2	173.4
Meat products	163.6	182.8	196.0	207.4	203.7	208.5	214.8	174.4
Dairy products	163.5	171.5	166.9	154.0	142.8	169.3	154.1	150.4
Canning and processing	165.4	174.9	271.8	192.4	154.3	263.6	187.2	164.0
Grain mill products	145.9	182.5	184.8	186.7	174.8	201.3	203.2	199.8
Bakery products	138.8	147.7	160.8	159.1	153.6	159.5	157.5	153.0
Miscellaneous foods	164.3	169.3	210.4	208.4	189.4	220.0	222.3	202.2
Beverages	177.6	187.3	198.6	219.9	183.2	214.2	239.1	185.3
Carbonated beverages	178.7	181.0	153.5	179.8	176.3	151.9	181.3	195.4
Breweries	159.9	168.2	152.3	185.4	164.7	154.9	192.7	157.3
Distilleries	220.3	242.5	358.1	352.9	238.7	411.7	416.9	239.5
Tobacco and tobacco products	207.7	214.0	233.3	236.2	199.1	239.1	241.7	207.4
Rubber products	190.5	213.8	216.3	237.3	213.6	237.2	245.0	237.9
Leather products	127.0	130.9	131.6	133.8	122.2	131.8	133.0	122.6
Boots and shoes	136.9	139.3	136.7	139.0	122.4	141.2	140.5	124.7
Textiles	159.5	172.2	179.4	184.5	171.6	200.0	193.0	196.2
Cotton goods	109.6	120.1	128.8	130.7	109.7	134.2	125.1	128.4
Wool goods	89.8	89.8	97.4	89.9	79.3	103.1	88.9	83.6
Synthetic textiles and silk	281.0	306.8	314.6	337.4	322.8	378.6	370.7	383.7
Clothing	137.0(1)	135.8	162.6	152.5	116.8	163.5	157.9	122.8
Paper products	164.3	179.0	188.7	194.3	178.5	202.1	199.5	190.4
Pulp and paper	163.8	180.0	189.2	197.3	178.9	201.7	200.4	190.5

See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964			1965		
	1963	1964	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	177.1	173.1	159.5	189.4	191.1	179
Products of petroleum and coal	296.0	304.2	298.3	312.9	325.3	317.0	309.7	331
Petroleum products	319.7	329.5	322.0	338.6	353.1	343.6	335.3	360
Chemicals and allied products	249.1	279.0	289.4	292.4	285.3	327.3	320.7	316
Acids, alkalies, salts and fertilizers	302.0	331.7	346.9	361.2	364.4	396.8	405.8	443
Miscellaneous manufactures	246.6	261.9	281.4	278.5	266.9	291.2	290.6	279
DURABLE MANUFACTURES	175.9	192.7	197.3	205.2	186.8	225.0	231.5	221
Wood products	159.0	165.1	167.8	157.4	145.5	177.4	166.3	164
Saw and planing mills	172.1	179.3	179.2	164.2	147.9	186.3	169.6	167
Veneers and plywoods	358.8	399.3	408.2	414.6	386.8	430.3	438.5	414
Sawmills	162.3	167.0	165.9	143.8	125.0	172.4	147.3	148
Furniture	153.0	157.9	167.9	167.9	165.3	187.7	188.9	187
Iron and steel products	161.8	182.4	191.4	195.2	183.3	208.9	208.4	197
Machinery	160.2	179.2	189.9	192.7	192.8	214.0	215.6	215
Iron castings	151.1	180.7	164.0	175.3	157.0	182.0	192.9	198
Primary iron and steel	216.9	244.9	257.3	261.9	242.3	277.5	278.7	251
Sheet metal products	156.9	164.3	174.9	171.1	166.2	189.9	183.4	177
Transportation equipment	181.4	198.5	171.2	213.3	174.2	245.6	283.8	274
Aircraft and parts	233.8	270.9	273.3	275.6	275.6	254.3	269.9	285
Motor vehicles	257.6	276.1	203.5	309.1	225.5	365.9	451.3	420
Motor vehicle parts	179.5	215.6	214.9	214.5	178.2	276.2	292.6	301
Railway rolling stock	41.1	47.3	49.2	50.0	49.9	51.0	51.4	51
Shipbuilding and repairs	197.2	187.6	191.3	195.2	193.7	203.1	208.2	206
Non-ferrous metal products	148.8	162.0	168.7	168.9	172.5	178.2	183.6	181
Brass and copper products ...	133.4	149.6	152.5	154.6	157.5	177.3	179.2	180
Smelting and refining	161.6	176.0	185.1	184.1	189.8	188.5	195.6	192
Electrical apparatus and supplies	223.5	239.2	265.8	267.2	250.8	289.1	292.2	285
Heavy electrical machinery ..	154.3	161.0	167.1	167.8	168.9	183.3	186.5	187
Telecommunication equipment	546.9	584.0	754.7	747.0	641.7	766.4	794.8	760
Refrigerators and appliances	221.6	233.8	249.8	258.0	221.4	272.3	265.5	247
Non-metallic mineral products	243.0	277.6	328.0	318.3	270.5	343.7	336.3	285
Concrete products	652.3	849.6	1,069.7	1,030.2	789.0	1,093.4	1,052.5	803
Hydraulic cement	246.0	277.5	360.2	315.0	218.6	367.6	319.9	232
Domestic clay products	136.7	146.1	162.3	165.5	145.3	164.9	164.1	159
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	400.4	437.1	478.2	451.6	502.4	525
Electric power	339.2	371.5	375.5	402.3	425.3	424.6	458.6	468
Gas	620.1	711.0	623.5	748.8	952.5	691.9	892.8	1,037

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

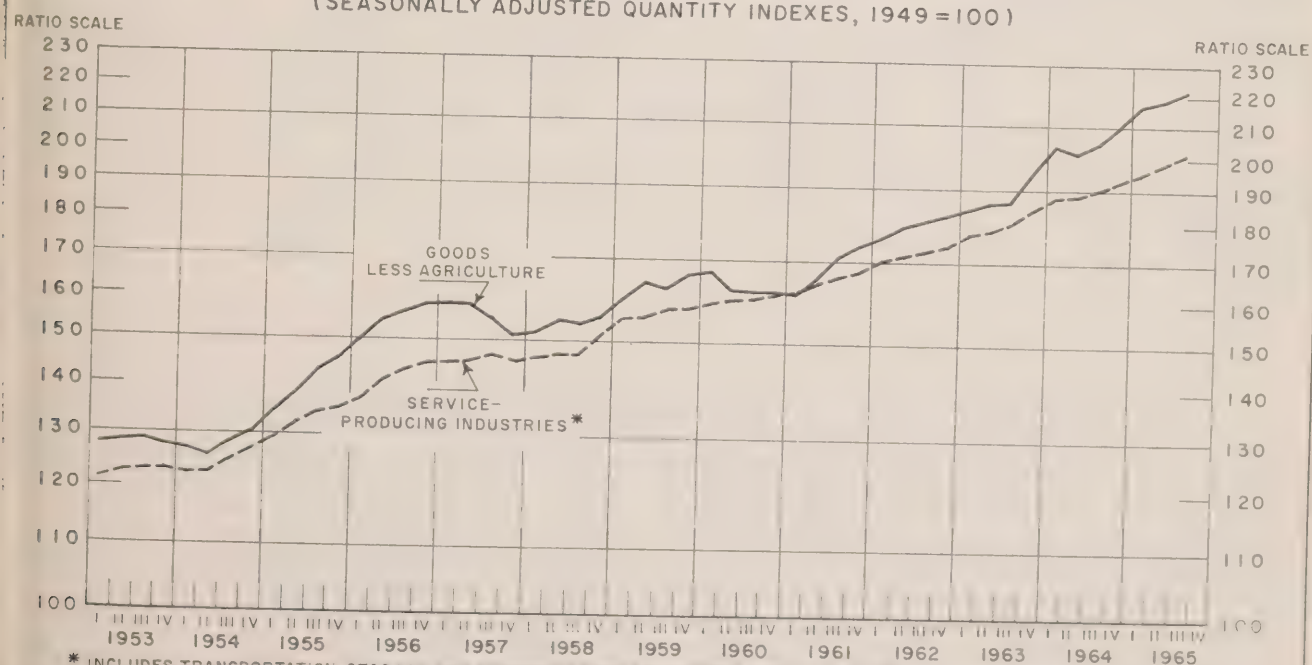
The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE, FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE, COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

REAL DOMESTIC PRODUCT LESS AGRICULTURE, THIRD QUARTER, 1965

Seasonally adjusted real domestic product less agriculture reached an index level of 211.3 in the third quarter of 1965, an increase of 1.8 per cent from the second quarter of this year. Most of the major industry divisions contributed to this gain

Over the eighteen quarters of the current expansion, non-agricultural real output has increased by 30 per cent from its first quarter, 1961, cyclical low. This compared with the 22 per cent gain achieved during the full course of the 1954-56 expansion and the 10 per cent advance made during the 1957-60 cyclical upturn. The current expansion has also been of considerably longer duration than either of the two preceding ones, the longest of which extended over 10 quarters. The following table shows the percentage increases of the major industry groups and their contributions to the advance in non-agricultural real output over the course of the current cyclical expansion in production

	IQ'61 - IIIQ'64		IQ'61 - IVQ'64		IQ'61 - IQ'65		IQ'61 - IIQ'65		IQ'61 - IIIQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	21.4	21.4	23.9	23.9	26.6	26.6	28.0	28.0	30.3	30.3
Forestry	29.1	.6	21.3	.4	30.9	.6	35.0	.6	19.9	.4
Fishing and trapping ..	15.6	-.1	3.5	--	11.4	-.1	17.8	-.1	17.1	-.1
Mining	26.9	1.5	33.6	1.9	38.1	2.1	35.3	2.0	39.9	2.2
Manufacturing	28.2	7.9	30.5	8.5	33.7	9.4	35.1	9.8	38.5	10.8
Non-durable	19.8	3.1	24.1	3.8	24.0	3.8	24.7	3.9	27.9	4.4
Durable	38.5	4.8	38.4	4.7	46.0	5.6	48.2	5.9	52.0	6.4
Construction	15.8	1.1	25.6	1.8	32.1	2.2	33.4	2.3	35.5	2.5
Electric power and gas utilities	34.5	1.2	40.6	1.4	43.5	1.5	42.6	1.5	47.3	1.6
Other goods, n.e.c. ...	14.1	.1	14.1	.1	14.1	.2	14.5	.2	14.9	.2
Transportation, storage and communication ...	25.3	2.5	27.1	2.6	29.0	2.8	31.2	3.0	34.8	3.4
Transportation	26.3	1.9	28.8	2.0	30.7	2.2	33.3	2.3	37.3	2.6
Trade	18.7	2.9	19.8	3.1	23.4	3.6	26.1	4.1	28.5	4.5
Wholesale	26.2	1.4	27.7	1.5	36.2	1.9	38.0	2.0	40.2	2.2
Retail	14.7	1.5	15.6	1.6	16.6	1.7	19.9	2.0	22.3	2.3
Finance, insurance and real estate	17.7	1.9	19.2	2.1	19.8	2.2	21.7	2.4	22.9	2.5
Public administration and defence	3.7	.2	3.8	.2	4.9	.3	4.8	.3	5.5	.3
Community, recreation, business and personal service	15.4	1.6	16.3	1.7	16.6	1.8	18.5	1.9	19.7	2.1

In the third quarter of 1965, just over one-half of the increase in non-agricultural real output came from the goods-producing industries. Manufacturing alone contributed over 40 per cent of the increase, while the gains in the other goods-producing industries were to some extent dampened by a drop in forestry which was the only major industry division to show a decline. This decline was attributable largely to a drop in pulpwood production from very high second quarter levels. Within services, most of the gain came from trade and the transportation, storage and communication group, which jointly accounted for about one-third of the increase in non-agricultural real output. The remaining service-producing industry divisions showed increases of up to one per cent in the third quarter.

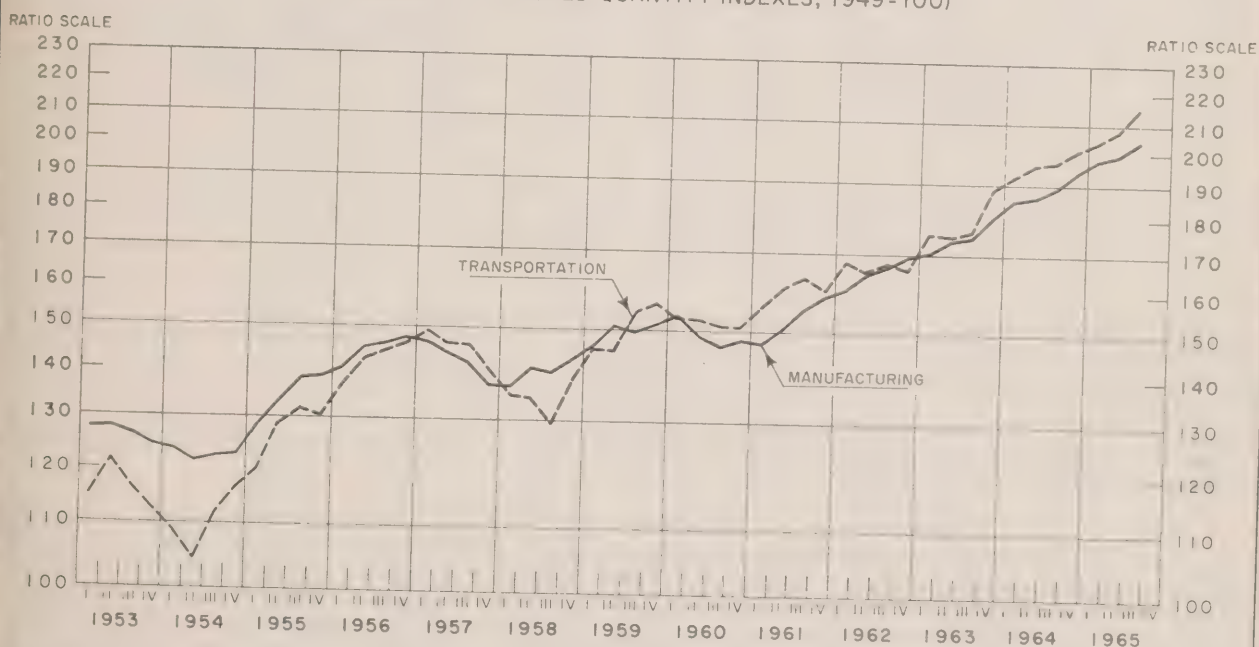
Manufacturing increased by 2 1/2 per cent, with both durables and non-durables increasing at the same rate and thus contributing about equally to the third quarter gain.

Within non-durables, the textiles and chemicals groups showed the largest increases, 8 and 3 1/2 per cent, respectively. Together these two industry groups accounted for over one-half of the third quarter increase in non-durable manufacturing output. The synthetic textiles and silk industry accounted for most of the advance in textiles, while a large part of the gain in chemicals came from the acids, alkalies, salts and fertilizers component. The next largest contributors to the increase in non-durables were the foods and beverages and the paper products groups. The gain in the former was largely the result of increased production of beverage products, as the output of the distillery industry rose sharply from its strike-affected second quarter levels. Within foods, movements were mixed, as they have been through most of the year, resulting in only moderate advances in the output of the food products group. In the third quarter, there were strong gains in meat products and some components of grain milling and bakery products, while canning and preserving and confectionery products showed a decline. Increases of up to 2 1/2 per cent were also recorded by the other major groups in non-durables, with the exception of printing and publishing and tobacco products which declined marginally.

Within durables, almost all of the increase came from a 4 per cent gain in iron and steel products and a 5 1/2 per cent advance in the production of transportation equipment. Motor vehicles and parts production accounted for the entire gain in the latter group. In the case of the iron and steel group, most of the components contributed to the gain. Among the other major groups, increases of 3 1/2 and one per cent were recorded by non-metallic mineral products and non-ferrous metal products, respectively, while the wood products and the electrical apparatus and supplies groups showed small declines in the third quarter.

COMPARISON OF MANUFACTURING WITH TRANSPORTATION BY QUARTERS, 1953-64

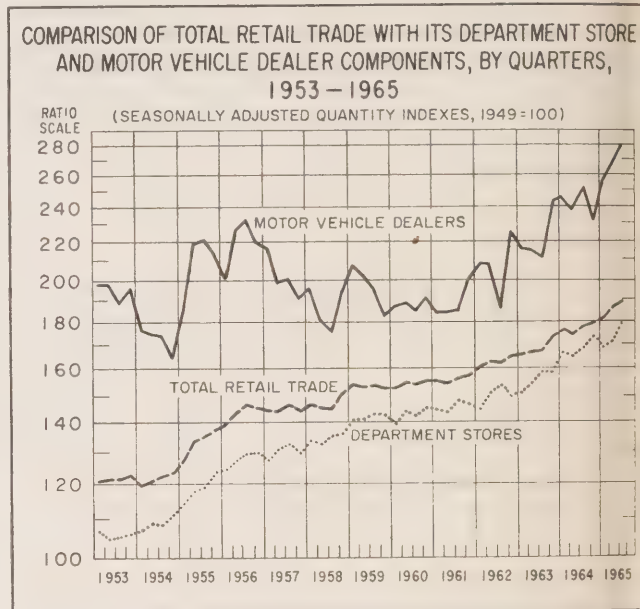
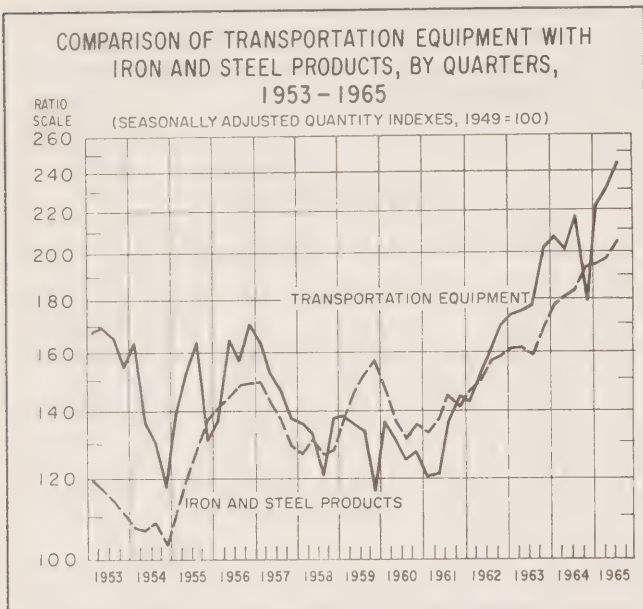
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the gain in total non-agricultural real output came from the transportation, storage and communication group, which advanced by 3 per cent, and from trade, which advanced by 2 per cent in the third quarter. All three components of the former group showed increases from second quarter levels, although the gains within the communications group were dampened by a drop in the post office component. Storage showed another strong quarterly increase, following substantial declines in the latter part of 1964 and early this year. This was largely the result of increased handling of grain at grain elevators, in the third quarter, particularly during August. Within transportation, increases ranging from 2 1/2 to 7 per cent were recorded by most major components, among them railway transport and shipping. Urban and interurban passenger bus transport showed particularly

strong gains, following a decline in the second quarter which was associated with labour disputes in Quebec during the month of June. The larger part of the 2 per cent advance in retail trade came from increased sales by motor vehicle dealers, department stores and clothing stores. Lumber and building material dealer sales also increased after having declined in the second quarter. Garages and filling stations and used car dealers were among the few retail trades to show a decline in the third quarter. Within wholesale trade, movements were mixed. Among those wholesale trades recording fairly strong gains were groceries and food specialties and meat and dairy products.

Among the remaining industry groups, increases ranging from one and a half to 3 1/2 per cent were recorded by construction, mining and electric power and gas utilities. Within mining, almost all of the strength came from fuel mining, particularly crude petroleum. Within metal mining, declines were widespread. Increases of up to one per cent were recorded by all the other industry divisions.



Real domestic product less agriculture for the first nine months of 1965 was 6.1 per cent above the corresponding period of 1964. The comparable increase in the first three quarters of last year was 7 per cent, which was the same as the rate of increase for the year 1964 as a whole. Seasonally adjusted non-agricultural real output would have to advance by 3 1/2 per cent in the final quarter of this year before a 7 per cent increase could be achieved for 1965. A one per cent increase in the fourth quarter would yield an annual level 6.3 per cent above the year 1964, while a one per cent decline would result in a 5.8 per cent increase from last year.

In making these comparisons, it is important to note the pattern of production and some of the factors which have affected the industrial scene during the past few years. In 1963 there was a particularly strong fourth quarter, as a result of export shipments of grain, sharp advances in construction, and an acceleration in the already rapid advance in the output of the industries engaged in the production and sales of motor vehicles and parts. The same factors persisted through the first quarter of 1964, resulting in a further increase in production. This was followed by a fractional decline in the second quarter when motor vehicle production, construction and the output and sales of many building materials showed a drop. The advance in non-agricultural real output resumed during the third quarter of 1964 and has continued throughout the past year. In the final quarter of 1964, the strong advances in construction and the output and sales of building materials, together with the basic strength in most other industries, were dampened to a considerable extent by a drop of almost 20 per cent in the output and sales of the motor vehicle industry group. This drop was the result of strikes in the automobile industry both in the United States and Canada during the fourth quarter which persisted into the first quarter of 1965. A new peak in motor vehicle production was not reached until March of this year. By the third quarter of 1965, motor vehicle production and sales had increased by more than 111 per cent as measured from the beginning of the current expansion in the first quarter of 1961. In other industry areas as well output levels in 1965 have been affected by labour disputes,

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
1965 - 1	205.4	168.7	125.7	346.4	226.1	395.9	564.1	197.5	190.1
2	207.6	174.0	116.7	339.4	214.5	377.7	575.2	199.6	191.1
3	211.3	154.5	117.6	351.1	213.0	383.8	616.2	204.6	196.0
Without seasonal adjustment									
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
1965 - 1	193.4	144.3	76.6	333.4	202.3	342.5	615.7	192.6	183.1
2	210.1	151.5	118.1	339.6	222.9	392.0	547.8	204.2	191.2
3	214.0	184.8	163.3	357.2	223.8	394.3	588.6	200.2	197.6

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	208.6	125.3	179.5	139.3	187.6	174.5
3	180.1	220.4	213.7	127.3	193.6	143.4	191.4	174.0
4								
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965								
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	223.2	126.5	185.2	120.4	188.5	178.2
3	196.0	210.4	189.5	118.8	177.8	155.9	192.0	168.4
4								

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
1965 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.6	209.4	169.3	195.9	230.4	170.2
3	317.3	309.3	276.4	214.8	168.2	203.0	243.1	172.1
4								
Without seasonal adjustment								
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
1965								
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
1964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
1965 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.4	219.5	169.3	203.8	265.6	172.6
3	325.7	299.0	281.0	203.2	177.0	202.5	171.3	169.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.3
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.0
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.6
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.9
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.0
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.9
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.4
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.7
1965 - 1	258.9	313.5	209.3	436.3	217.0	203.9	206.7	191.1	210.9
2	269.3	286.4	211.5	433.7	220.7	208.0	223.4	195.4	213.6
3	267.3	296.0	214.8	448.0	226.7	214.2	244.5	199.1	217.1
4									
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.9
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.6
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.2
1965									
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.0
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.3
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.7
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.5
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.0
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.4
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.4
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.3
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.2
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.5
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.8
1965 - 1	255.9	235.6	140.1	491.3	198.7	181.4	174.0	177.6	216.7
2	262.1	296.0	210.2	421.9	226.0	215.8	222.1	203.0	226.8
3	264.1	343.3	256.6	389.2	240.1	233.0	254.4	189.8	201.2
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
962 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
963 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
964 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
965 - 1	180.7	207.4	191.4	173.8	216.7	195.1	206.1	197.8	224.7
2	185.9	210.6	191.3	176.5	217.8	198.4	208.5	198.7	225.6
3	189.6	212.7	192.5	178.3	222.1	201.5	212.4	200.3	231.8
4									
Without seasonal adjustment									
962	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
963	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
964	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
965									
962 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
963 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
964 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
965 - 1	157.2	203.7	184.7	169.4	202.4	185.4	193.4	193.6	222.1
2	190.6	211.6	191.7	176.6	219.1	201.9	211.2	199.0	229.0
3	183.8	216.0	200.5	182.8	225.8	203.4	214.9	205.2	225.6
4									

Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

ranging from the postal workers' strike in the third quarter, to the labour disputes in urban and inter urban bus transport and in the distilleries industry in the second quarter. Finally, the third quarter of this year saw renewed increases in the export shipments of grain which had slowed down during the latter part of 1964 and early in 1965.

Turning to the first 9 months of 1965, about one-third of the increase from the preceding year was contributed by the 7 per cent gain in manufacturing output. The durable manufacturing component in particular showed a strong gain (9%), largely as a result of increases of up to 14 per cent in the production of motor vehicles and parts and strong gains in most of the iron and steel products industries. Increases of 10 and 11 per cent, respectively, were recorded by electric power and gas utilities and construction, followed by a 9 per cent increase in wholesale trade and a 7 1/2 per cent advance in transportation. Retail trade, mining, non-durable manufacturing, and the communication industry group showed gains exceeding 5 per cent. Lesser gains were shown by almost all the other industry groups. The post-war average rates of increase were thus exceeded by most of the major industry groupings.



CANADA. BUREAU OF STATISTICS

ANNUAL SUPPLEMENT TO THE MONTHLY INDEX OF INDUSTRIAL PRODUCTION

SPECIAL NOTICE TO USERS

This issue contains revisions to the monthly Index of Industrial Production and its components for the period from 1949 to 1965 inclusive. These revisions are incorporated into the quarterly Real Domestic Product series. Continuous series are shown from 1946 to 1965.
(See technical note, page 7).

For information on historical continuity, see inside front cover.

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DOMINION BUREAU OF STATISTICS

National Accounts and Balance of
Payments Division

Industrial Output Section

NOTE RE HISTORICAL CONTINUITY

1. For a continuous record of the Index of Industrial Production and its components, the sources are as follows:

March 1963 Supplement to the Monthly Index of Industrial Production, DBS Cat. No. 61-005 — The period from 1919 to 1934.

Revised Index of Industrial Production, 1935 - 1957, DBS Cat. No. 61-502 — 1935 to 1945.

This publication, **May, 1966 Supplement to the Monthly Index of Industrial Production**, DBS Cat. No. 61-005 (Supplement) — 1946 to 1965.

Index of Industrial Production (1949 = 100), DBS Cat. No. 61-005 — Current indexes beginning January, 1966.

2. For a continuous record of the Index of Real Domestic Product and its components, the sources are as follows:

Indexes of Real Domestic Product by Industry of Origin, 1935 - 61, DBS Cat. No. 61-505 — The period from 1935 to 1945.

This publication, **May, 1966 Supplement to the Monthly Index of Industrial Production**, DBS Cat. No. 61-005 (Supplement) — 1946 to 1965.

Index of Industrial Production (1949 = 100), DBS Cat. No. 61-005 — Current indexes beginning January, 1966.

SPECIAL NOTE

Users should note particularly that all indexes in DBS Reference Paper **Indexes of Real Domestic Product by Industry of Origin** (Cat. No. 61-505) which exclude the Index of Industrial Production or any of its components, are unchanged (except for rounding differences). Thus agriculture, forestry, fishing and trapping, construction, transportation, storage and communication, trade, finance, insurance and real estate, public administration and defence, and community, recreation, business and personal service indexes can still be used for the entire 1935-62 period from that publication. However, aggregates which include components of the Index of Industrial Production (i.e., Gross Domestic Product less agriculture, Goods-producing industries, Goods-producing industries less agriculture, Commercial industries, Commercial industries less agriculture) as well as the Index of Industrial Production and its components can no longer be taken from this source but rather should be derived from the sources noted above.

Throughout this report, detail may not add to totals, due to rounding.

DOMINION BUREAU OF STATISTICS

National Accounts and Balance of
Payments Division

Industrial Output Section

ANNUAL SUPPLEMENT TO THE MONTHLY
INDEX OF INDUSTRIAL PRODUCTION

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PREFACE

This supplement to the monthly Index of Industrial Production publication (DBS Catalogue No. 61-005) contains the first of a number of major revisions planned for the Index of Industrial Production and for the more comprehensive Real Domestic Product measure. This particular revision is concerned only with the Index of Industrial Production; the broader Real Domestic Product aggregates are revised only insofar as the industry components of the Index of Industrial Production are also components of these broader aggregates. The revised Index reflects the introduction of some more recent benchmarks (census-based annual levels) as well as improved trend corrections to many underlying industry projectors, particularly those industry measures that are dependent on labour input data. The entire period, 1949 to 1965 inclusive, has been revised and new seasonal adjustments made throughout. The industrial classification used continues to be based on the old (1948) Standard Industrial Classification system.

Further major revisions to the Index of Industrial Production and to the Real Domestic Product measures are planned for the next several years. In both areas benchmarks will be incorporated for more recent years, the industry indexes converted to a later weight and reference base, the new (1960) Standard Industrial Classification system introduced and a major effort mounted to make the indexes more accurate and timely. Many of these planned improvements will be made within the next two or three years but some, such as those that would be dependent on new data surveys or new methodology, will require a longer lead time for development and testing before they can be incorporated into the measures.

WALTER E. DUFFETT

Dominion Statistician

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DESCRIPTION OF REVISIONS TO THE INDEX OF INDUSTRIAL PRODUCTION

This report presents revised estimates for the Index of Industrial Production and its components for the 1949-1965 period. No revisions were made to any of the indexes for the pre-1949 period and these remain as the best available indicators. The revised indexes shown in Tables 1 and 2 replace the previously published record (for the period commencing with 1949), contained in DBS Reference Paper, Catalogue No. 61-502, *Revised Index of Industrial Production, 1935-57*, the monthly *Index of Industrial Production* publication, DBS Catalogue No. 61-005, and the annual supplements thereto.

Revisions to the post-1948 period stem from the following:

1. The incorporation of more recent census-based annual levels (benchmarks) into the historical record for manufacturing, mining and electric power and gas utilities.
2. The substitution of a few monthly projectors.
3. The incorporation of revisions made to the underlying data subsequent to their use in the heretofore published Index of Industrial Production.
4. The use of an improved method of adjusting monthly series to annual benchmark levels.
5. The re-seasonal adjustment of all components of the monthly Index of Industrial Production for the entire 1949-65 period.

The revised data for the Index of Industrial Production and its components have also been incorporated into the quarterly and annual Real Domestic Product estimates presented in Table 3 of this report. These latter estimates were first published in DBS Occasional Paper, Catalogue No. 61-505, *Indexes of Real Domestic Product by Industry of Origin*, and have been kept up to date in the monthly *Index of Industrial Production* publication. The changes in Real Domestic Product are due entirely¹ to the incorporation of revisions

¹ For some industry groups outside the area of the Index of Industrial Production, rounding differences may exist between the indexes previously published in Reference Paper, Catalogue No. 61-505 and the monthly *Index of Industrial Production* publication (61-005) on the one hand, and the figures presented in Table 3 on the other. Such differences have been caused by the use of computer methodology adopted for some aspects of the work during the course of the present revision.

to the Index of Industrial Production for the 1949-65 period. Thus only those special industry groupings of which the Index of Industrial Production (or any of its components) forms a part are revised from earlier published levels.

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's.² A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.)³ basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C.⁴ and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

Table A shows an analysis of the revisions made to the Index of Industrial Production and its major components as well as their effects on the higher Real Domestic Product aggregates. The revised annual levels for these industry groups are shown in Tables B and C, while Charts 1 and 2 compare the revised series shown in Tables B and C with the previously published levels for the same industry groupings.

² See Reference Paper No. 61-502, Appendix C.

³ *Standard Industrial Classification Manual*, DBS, 1948.

⁴ DBS Occasional Paper, Catalogue No. 12-501, *Standard Industrial Classification Manual*, 1960.

TABLE A. An Analysis of Revisions Made to Real Domestic Product and Selected Industry Groups, by Years, 1949-65

Year	Per cent revision in index level ¹							Per cent contribution to revision in Real Domestic Product ²			
	Real Domestic Product	Real Domestic Product less agriculture	Goods-producing industries	Index of Industrial Production	Manufacturing	Mining	Electric power and gas utilities	Index of Industrial Production	Manufacturing	Mining	Electric power and gas utilities
1949 weights	100.000	89.286	53.080	32.231	27.340	3.245	1.646				
1949	—	—	—	—	—	—	—	—	—	—	—
1950	0.1	0.1	0.3	0.4	0.5	- 0.2	—	100.0	104.4	- 4.4	—
1951	0.2	0.3	0.4	0.7	0.8	0.1	—	100.0	99.5	0.5	—
1952	0.4	0.4	0.7	1.2	1.4	0.5	—	100.0	95.9	4.1	—
1953	0.6	0.6	1.0	1.7	2.0	0.8	- 0.1	100.0	94.7	5.3	—
1954	0.6	0.8	1.3	2.0	2.5	0.1	0.1	100.0	98.7	0.9	0.4
1955	0.8	0.9	1.4	2.2	2.7	1.4	- 0.2	100.0	92.5	7.9	- 0.4
1956	1.3	1.4	2.3	3.7	4.2	2.8	- 0.2	100.0	89.9	10.5	- 0.4
1957	1.8	1.9	3.2	5.1	5.6	5.0	- 0.2	100.0	85.5	14.7	- 0.2
1958	1.7	1.9	3.2	5.2	5.2	7.2	0.9	100.0	78.0	20.5	1.5
1959	2.1	2.4	4.0	6.3	6.1	9.7	1.9	100.0	74.0	23.4	2.6
1960	2.5	2.8	4.8	7.4	8.0	8.8	0.2	100.0	81.6	18.2	0.2
1961	2.7	2.9	5.1	7.7	9.1	6.0	- 0.4	100.0	88.4	12.2	- 0.6
1962	3.0	3.2	5.6	8.4	9.9	6.0	0.1	100.0	88.7	11.3	—
1963	3.4	3.8	6.5	9.9	11.5	8.1	—	100.0	87.5	12.5	—
1964	3.7	4.0	7.0	10.3	12.6	6.1	—	100.0	90.9	9.1	—
1965	3.9	4.2	7.3	10.8	13.3	5.3	—	100.0	92.5	7.5	—

¹ The per cent revision is derived by dividing the revised index levels by the previously published figures for each industry group.

² As the revisions originate solely from manufacturing, mining and electric power and gas utilities, the total revision to the Index of Industrial Production for each year contributes 100 per cent of the revision to Real Domestic Product.

TABLE B. The Index of Industrial Production and its Major Components, by Years, 1946-65
1949 = 100

	Index of Industrial Production	Mining	Manufacturing			Electric power and gas utilities
			Total	Non-durables	Durables	
1949 percentage weights	32. 231	3. 245	27. 340	14. 742	12. 598	1. 646
1946	83. 8	74. 3	85. 2	89. 8	79. 9	79. 4
1947	91. 5	78. 5	93. 2	93. 2	93. 3	89. 8
1948	96. 4	90. 0	97. 3	96. 3	98. 4	94. 8
1949	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0
1950	107. 3	109. 3	106. 7	106. 9	106. 5	113. 2
1951	117. 4	123. 5	115. 9	112. 2	120. 2	129. 4
1952	122. 4	131. 6	120. 2	115. 4	125. 7	140. 7
1953	131. 3	143. 3	128. 9	123. 3	135. 4	147. 8
1954	131. 1	158. 9	126. 0	125. 3	126. 8	161. 6
1955	145. 5	187. 8	138. 3	134. 4	142. 8	183. 0
1956	160. 7	218. 3	151. 2	145. 5	158. 0	204. 4
1957	163. 3	239. 3	150. 9	148. 9	153. 3	219. 9
1958	162. 4	243. 3	148. 0	151. 3	144. 2	241. 3
1959	176. 5	275. 4	159. 0	161. 9	155. 5	273. 9
1960	179. 8	275. 6	161. 2	166. 1	155. 5	298. 5
1961	186. 2	283. 0	166. 9	173. 6	158. 9	316. 3
1962	201. 7	304. 7	181. 2	183. 5	178. 5	338. 0
1963	215. 3	318. 3	193. 9	194. 9	192. 9	367. 5
1964	235. 3	346. 4	211. 9	211. 2	212. 7	405. 7
1965	254. 9	365. 6	230. 1	224. 1	237. 2	448. 3

TABLE C. Indexes of Real Domestic Product and Selected Aggregates, by Years, 1946-65
1949 = 100

	Real Domestic Product	Real Domestic Product less agriculture	Commercial industries	Commercial industries less agriculture	Non-commercial industries ¹	Goods-producing industries	Goods-producing industries less agriculture	Service-producing industries ²
1949 Percentage weights	100.000	89.286	91.729	81.015	8.271	53.080	42.366	46.920
1946	89.8	87.4	88.1	85.3	108.4	88.2	82.8	91.6
1947	93.8	92.7	94.0	92.8	91.4	93.4	91.0	94.2
1948	97.1	96.0	97.4	96.3	93.3	98.3	96.3	95.8
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.5	106.5	106.7	106.7	104.8	107.7	108.0	105.2
1951	114.8	114.1	114.9	114.1	114.0	118.2	117.5	111.1
1952	123.2	120.1	123.0	119.5	125.5	127.9	122.6	117.8
1953	127.4	126.3	127.0	125.8	132.1	131.6	130.4	122.7
1954	124.7	127.2	123.4	126.0	138.9	125.1	130.4	124.3
1955	137.4	138.0	136.8	137.5	143.1	141.2	143.5	133.0
1956	149.6	150.5	149.8	150.9	146.8	156.0	159.7	142.3
1957	149.6	153.4	149.3	153.5	152.3	153.1	162.1	145.6
1958	151.5	154.6	150.8	154.2	159.2	153.9	161.2	148.7
1959	159.8	164.0	159.3	163.9	165.2	162.2	171.6	157.1
1960	162.5	166.6	161.7	166.1	171.1	164.2	173.3	160.5
1961	165.7	171.6	164.4	170.8	179.7	166.0	178.7	165.3
1962	176.5	181.5	175.6	181.0	186.5	180.1	191.5	172.4
1963	186.4	191.1	186.2	191.3	188.7	191.7	202.9	180.4
1964	197.9	204.8	198.2	205.8	195.1	205.0	221.4	189.9
1965	211.3	218.6	212.4	220.7	198.6	220.8	238.8	200.5

¹ Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

² Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

CHART-1

THE INDEX OF INDUSTRIAL PRODUCTION AND ITS MAJOR COMPONENTS,
SHOWING THE EFFECT OF REVISIONS, BY YEARS 1949-65
QUANTITY INDEXES, 1949=100

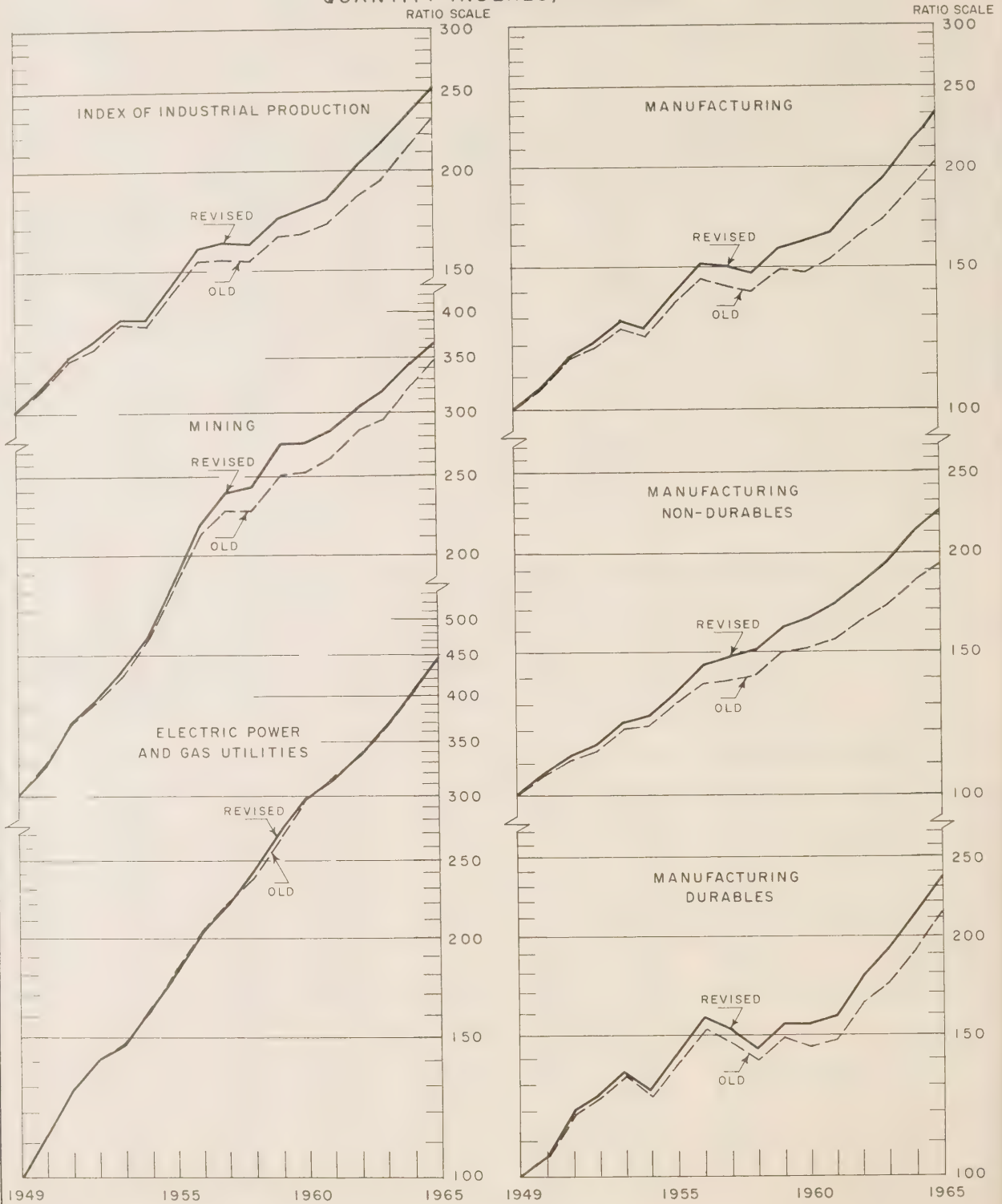
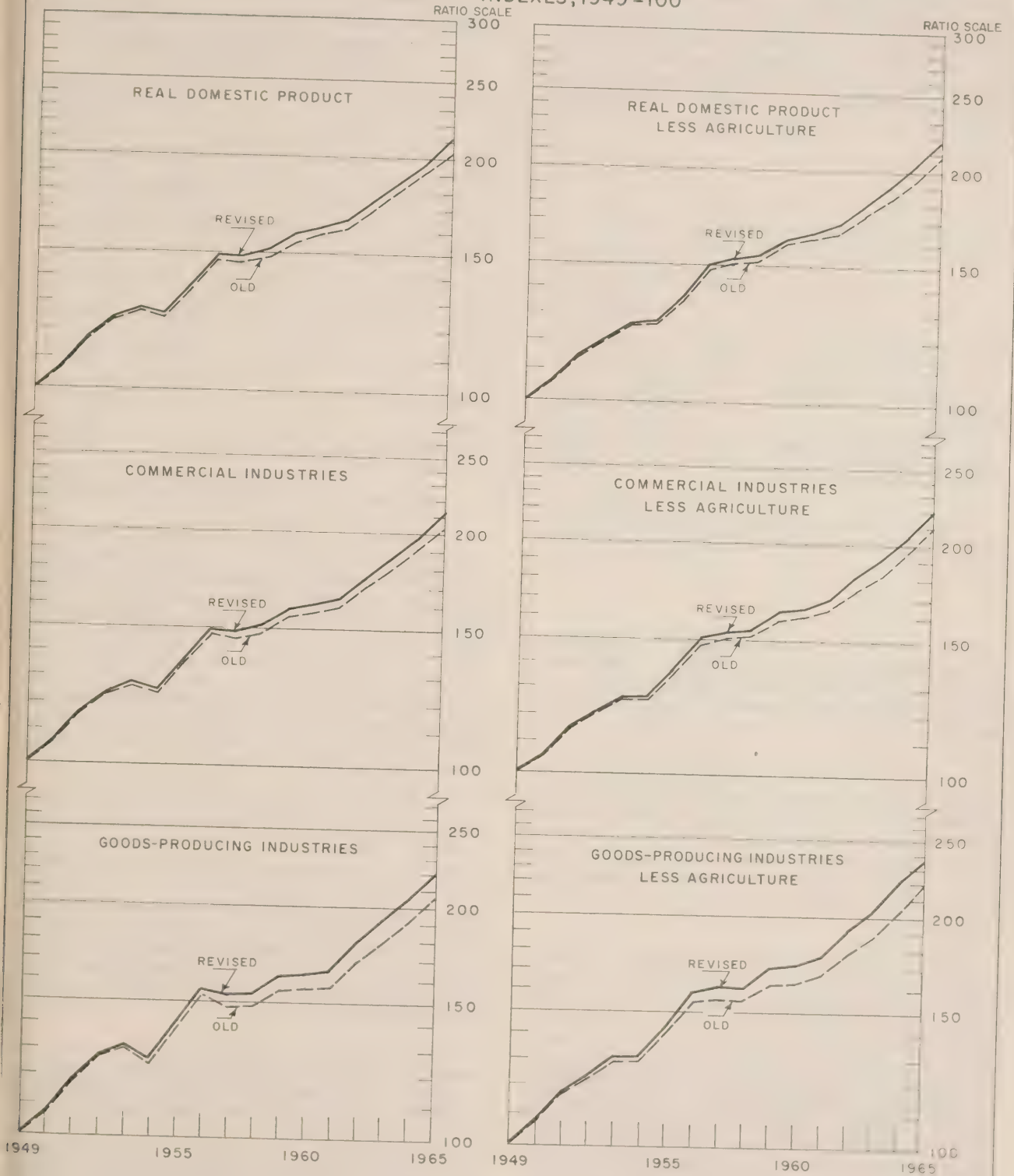


CHART-2

THE INDEX OF REAL DOMESTIC PRODUCT AND SELECTED AGGREGATES (SHOWING THE EFFECT OF REVISIONS TO THE INDEX OF INDUSTRIAL PRODUCTION COMPONENT) BY YEARS, 1949-65

QUANTITY INDEXES, 1949=100



As can be seen from the charts and from Table A, the general effect of the revisions was to raise the level of the Index of Industrial Production and its chief components as well as the levels of all the higher aggregates of which they form a part. The largest change in annual level occurred in 1965, with the revision to the Index of Industrial Production amounting to 10.8 per cent, while the level of total Real Domestic Product was raised by 3.9 per cent in that year. As a result of these revisions, a somewhat higher rate of growth for the post-war period emerges for both of these aggregates (see Table D).

TABLE D. Rates of Growth,¹ 1946 - 65

	Old index	Revised index
	per cent	
Real Domestic Product	4.18	4.41
Real Domestic Product, less agriculture	4.48	4.73
Index of Industrial Production ²	4.98	5.61
Mining	8.57	9.10
Manufacturing	4.04	4.77
Non-durable manufacturing	3.98	4.82
Durable manufacturing	4.12	4.73
Electric power and gas utilities	9.56	9.58

¹ Based on the least squares of logarithms method.

² Includes manufacturing, mining and electric power and gas utilities.

The revisions have also slightly altered the cyclical amplitude of the above two aggregates, resulting in smaller peak-to-trough declines and larger trough-to-peak increases during the two most recent cycles in economic production.

For the year 1959 comprehensive annual benchmarks, based on Census of Industry data, were calculated for all industries within the Index of Industrial Production on a 1949 weight and reference base. The reason for selecting the year 1959 was that it represented the last year for which the manufacturers' census was taken on the basis of the 1948 S.I.C.

For the years 1950-58, inclusive, census-based annual levels were calculated for a large portion of manufacturing industries. For some manufacturing industries, however, benchmarks were calculated only for part of the period while for the remainder benchmarks were not calculated for any of these intervening years. Table E shows the incidence of benchmark coverage in the 1949-59 period. Estimated annual levels were derived for each industry for all years for which a census-based benchmark was not calculated. This was done by interpolating on the basis of the annual average of the monthly index for that industry, on

the assumption that the gap which existed between the two series in 1959 had developed gradually during the period for which no benchmarks were available.

TABLE E. Contribution of Benchmark—Represented Industries to Total Manufacturing, by Years, 1949-59¹

	Per cent
1949	100
1950	82
1951	82
1952	78
1953	78
1954	72
1955	67
1956	63
1957	61
1958	58
1959	100

¹ Calculated on the basis of weighted index points.

For the post-1959 period preliminary annual levels were estimated for the bulk of manufacturing industries by applying trend adjustments to the annual averages of the basic monthly projector. These adjustments were based essentially on the trend of the gap between the annual indexes and the monthly projectors that had developed during the 1949-1959 period. Some post-1959 trend adjustments were modified in the light of other data such as current dollar shipments and available industry selling price indexes.⁵

In the case of mining and electric power and gas utilities, benchmark indexes, based on annual Census of Industry data, were calculated for all industries for every year in the 1949-62 period. For some components of mining, i.e., iron ore, coal and asbestos mining, preliminary annual levels were calculated up to and including the year 1963. For the period subsequent to these benchmarks, production is projected on the basis of the movement in the underlying monthly projectors without further trend adjustment.

As noted before, all indexes for the post-1959 period are subject to further revision during the course of converting the system to a 1961 weight and reference base and to the 1960 S.I.C.

⁵ See DBS Occasional Paper, Catalogue No. 62-515, *Industry Selling Price Indexes*, for a description of these price indexes.

TABLE F. An Analysis of Revisions Made to Manufacturing Industry Groups, Selected Years

	1949 weights	Per cent revision in index level ¹			Per cent contribution to revision in manufacturing		
		1950	1959	1965	1950	1959	1965
Manufacturing	27.340	0.5	6.1	13.3	100.0	100.0	100.0
Non-durable manufacturing	14.742	0.8	7.9	15.4	99.4	69.7	59.1
Foods and beverages	3.814	- 0.9	3.2	7.2	- 24.6	7.2	6.5
Tobacco and tobacco products	0.248	- 0.7	6.1	8.5	- 1.2	1.1	0.6
Rubber products	0.430	0.4	8.9	8.0	1.6	2.4	1.0
Leather products	0.508	0.1	1.0	5.7	0.4	0.2	0.5
Textile products	1.623	-	10.1	19.1	- 0.1	8.2	7.7
Clothing products	1.801	-	14.1	43.4	-	11.5	12.6
Paper products	2.649	- 0.9	- 0.9	4.3	- 20.2	- 1.5	3.0
Printing, publishing and allied industries	1.273	8.2	18.4	27.5	76.9	13.5	8.3
Products of petroleum and coal	0.513	-	4.3	9.3	-	2.2	2.0
Chemicals and allied products	1.359	1.1	9.7	13.1	12.7	11.1	7.3
Miscellaneous manufacturing indus- tries	0.524	13.5	35.8	49.4	53.9	13.8	9.6
Durable manufacturing	12.598	-	4.0	11.3	0.6	30.3	40.9
Wood products	2.108	-	5.0	6.3	-	5.8	3.0
Iron and steel products	4.026	- 0.2	5.9	19.9	5.3	14.1	21.7
Transportation equipment	2.651	- 0.4	3.2	5.7	- 7.4	4.4	4.8
Non-ferrous metal products	1.601	0.2	5.4	7.8	2.8	4.7	2.9
Electrical apparatus and supplies...	1.418	-	3.1	19.1	-	3.3	9.8
Non-metallic mineral products	0.794	-	- 2.7	- 4.1	- 0.1	- 2.0	- 1.3

¹ The per cent revision is derived by dividing the revised indexes by the previously published figures for each industry group.

As in the case of the annual indexes, there are no changes to the previously published monthly index of Industrial Production and its components, for the years 1946, 1947 and 1948 either on a seasonally adjusted or unadjusted basis. The monthly record of seasonally unadjusted data for the year 1949 is generally affected only by the adoption of the computer method of adjusting monthly indexes

to annual levels which is discussed below. In those cases where new monthly indicators were substituted, the record is, of course, changed for the entire 1949-65 period. The monthly seasonally adjusted indexes have all been affected by re-seasonally adjusting the entire 1949-65 period. For these reasons some discontinuity may exist between 1948 and 1949, on a monthly basis.

The computer method of adjusting monthly indexes to annual levels, which was used to adjust all series for the 1949-65 period is described in detail in Reference Paper 61-505.⁶ Its most important characteristic is that it retains the original seasonal pattern of a monthly series, while adjusting it to new annual levels. Since this method had already been used for adjusting all indexes outside the area of the Index of Industrial Production, this revision afforded an opportunity to introduce the better method to all the components of Real Domestic Product.

It should be noted that some of the monthly man-hour based indexes show different monthly movements from the earlier published material. Previously, the underlying man-hour series had been adjusted by applying output per man-hour factors on a monthly basis in an attempt to introduce some elements of trend-cycle not properly reflected in the labour input series used to represent output.⁷ In the previously published series particularly strong reliance was placed on these output per man-hour corrections, beginning in the mid-1950's, mainly because of the absence of annual benchmarks. However, revisions and S.I.C. changes made to the related shipments and inventory data, which were used as the basis for modifying the output per man-hour trend adjustments, had in part invalidated this approach in the post-1960 period. For purposes of the present revision, the use of the modified monthly output per man-hour adjustments has been discontinued, and the basic man-hour series are adjusted to the new annual levels by use of the computer method referred to above.

Index of Industrial Production users will recall the problems encountered in the monthly measurement of output in the **clothing industry**⁸ which necessitated the introduction of a break in the continuity of this series beginning in January 1963. This revision now presents a new series on total clothing production for the entire 1949-to-date period at more correct levels and the discontinuity no longer exists. The measure is now based on a monthly man-hour projector adjusted to annual benchmark levels for the entire 1949-59 period, and is extrapolated into the current period on the basis of a trend correction to the man-hour data.

In the case of the **acids, alkalies, salts and fertilizers industry**, the basic measure used throughout the 1950's and early 1960's was adjusted man-hours. Effective with the January 1964 data, a new series, based on a broad range of commodities produced in the industry, had been introduced. This more sensitive series has now been carried back to January 1958. Users will note distinctly different

seasonality in the unadjusted monthly series before and after January 1958. On a seasonally adjusted basis, the break has been minimized through separate seasonal adjustment of the two periods.

Prior to the present revision, production in a number of food-producing industries was measured on the basis of quarterly output of many commodities and pro-rated monthly on the basis of man-hours. The industries so handled were **fruit and vegetable preparations, breakfast foods, biscuits and crackers, bread and other bakery products, confectionery, and miscellaneous food preparations**. This approach resulted in a relatively high incidence of estimation in the current period. Effective with this revision, the measures for these industries are based on trend-adjusted man-hours.

There are several changes in **mining** which require special mention. Within the non-metal mining group, the burgeoning **potash industry** was previously included only as of January 1964, although some production had occurred as early as 1959. All potash production has now been included in **miscellaneous non-metal mining** in the appropriate time periods prior to 1964 as well.

In the case of **metal mining**, several changes were made, the most important of which occurred in the **iron ore industry**. This industry's output measure had been based on a calculation by individual establishment, each of whose outputs was valued at base year (1949) unit prices. With the tremendous development of this industry in the 1950's and early 1960's, both in terms of technology and the number of establishments, this approach necessitated the estimation of most base year unit prices. In the present revision the computation remains on an individual establishment basis but the unit prices used to combine outputs are those for 1961. This change was made in order to reflect more properly the contribution of new processes and products, and the revised indexes are at a considerably higher index level than the previously published series. It should be emphasized that the entire series remains on a 1949 reference base and the 1949 weight for the industry remains unchanged.

The previously published monthly series for gold was a total commodity series, i.e., gold produced in all industries was measured. Effective with this revision, the monthly series has been changed, beginning with the year 1949, to measure only gold produced in the **gold mining industry**. Other gold production (that is, that produced outside the boundaries of the gold mining industry) has been included with **other metal mining**.

Finally, it should be noted that the introduction of some new non-metal mining products as well as the isolation of the gold mining industry has resulted in marginal shifts in the 1949 industry weights within the non-metal and the metal mining groups, with the weight for each of these aggregates remaining unchanged.

⁶ *Indexes of Real Domestic Product by Industry of Origin*, p. 55-6, para. 92-96.

⁷ See Reference Paper, Catalogue No. 61-505, p. 55, para. 90-91.

⁸ Described in the March, 1964, issue of the monthly *Index of Industrial Production* publication (Catalogue No. 61-005).

TABLES AND CHARTS

CHART-3

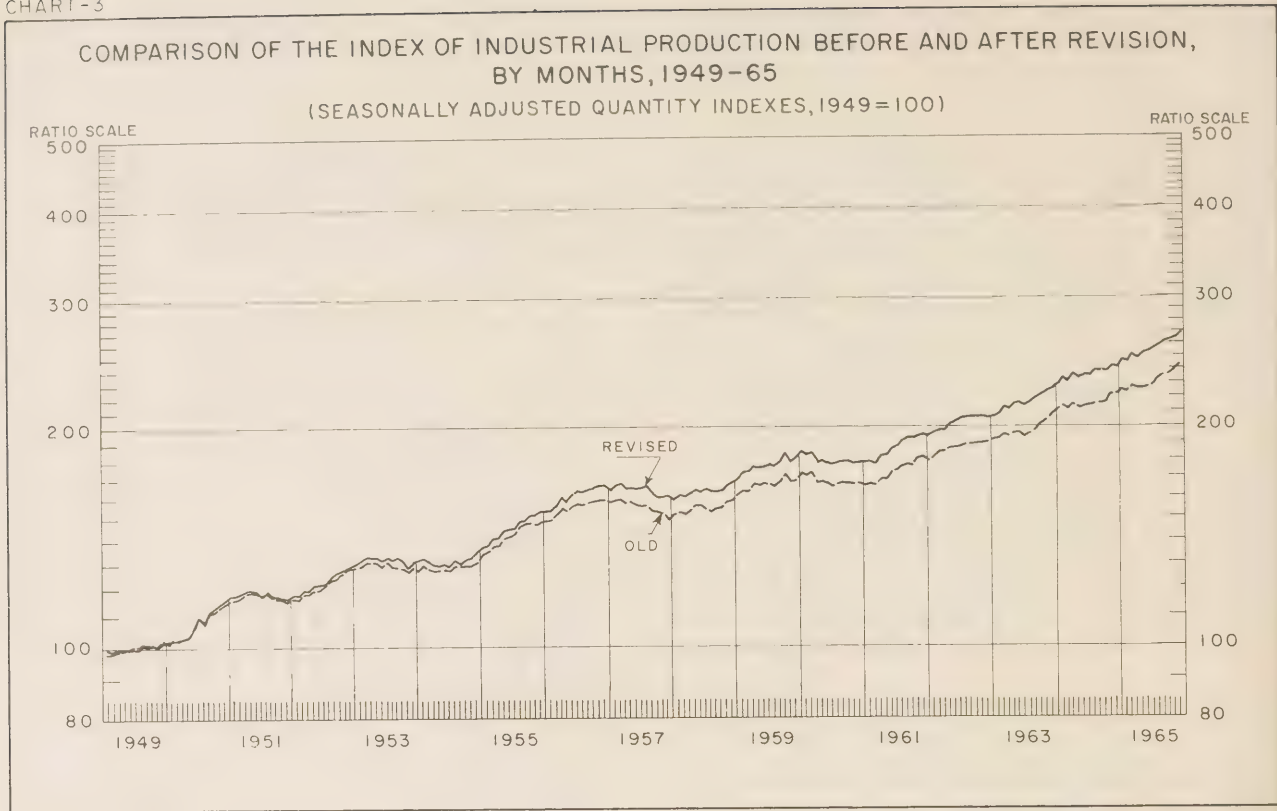


CHART-4

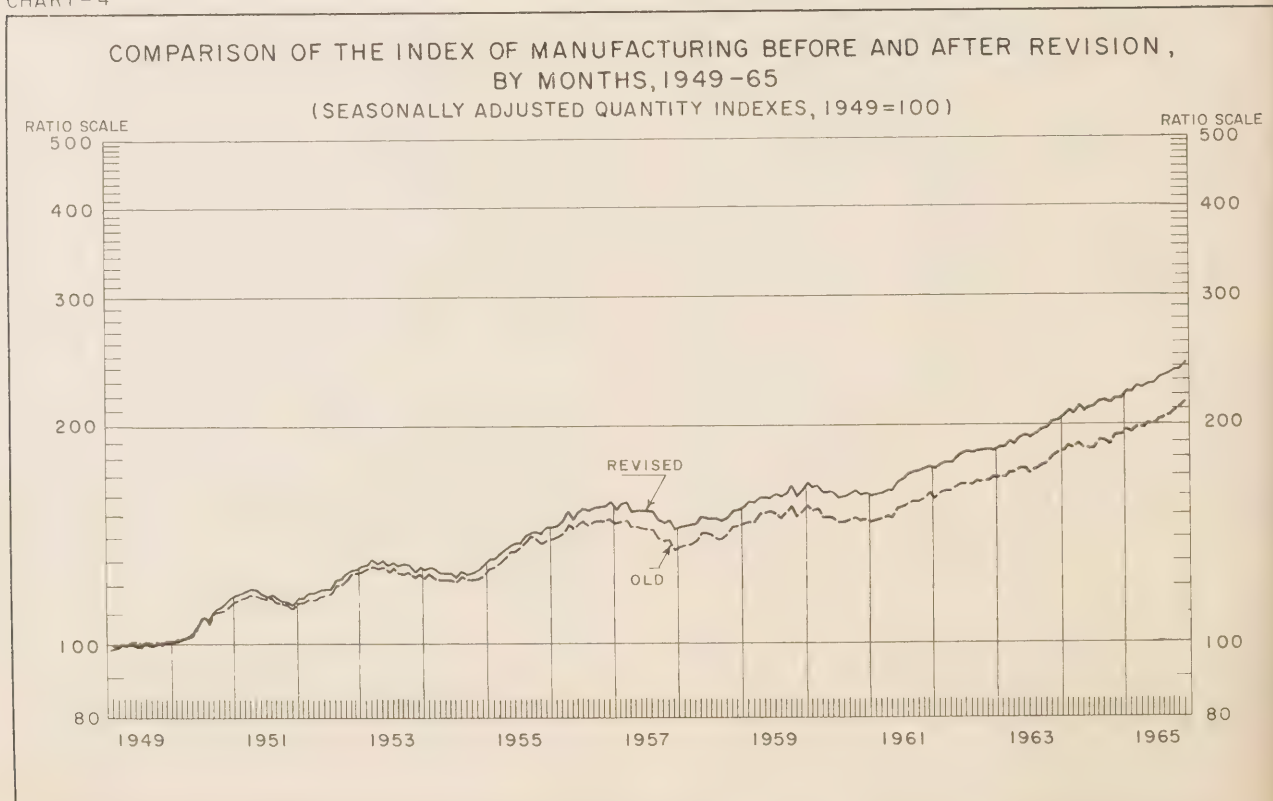


CHART-5

COMPARISON OF THE INDEX OF MINING BEFORE AND AFTER REVISION,
BY MONTHS, 1949-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)

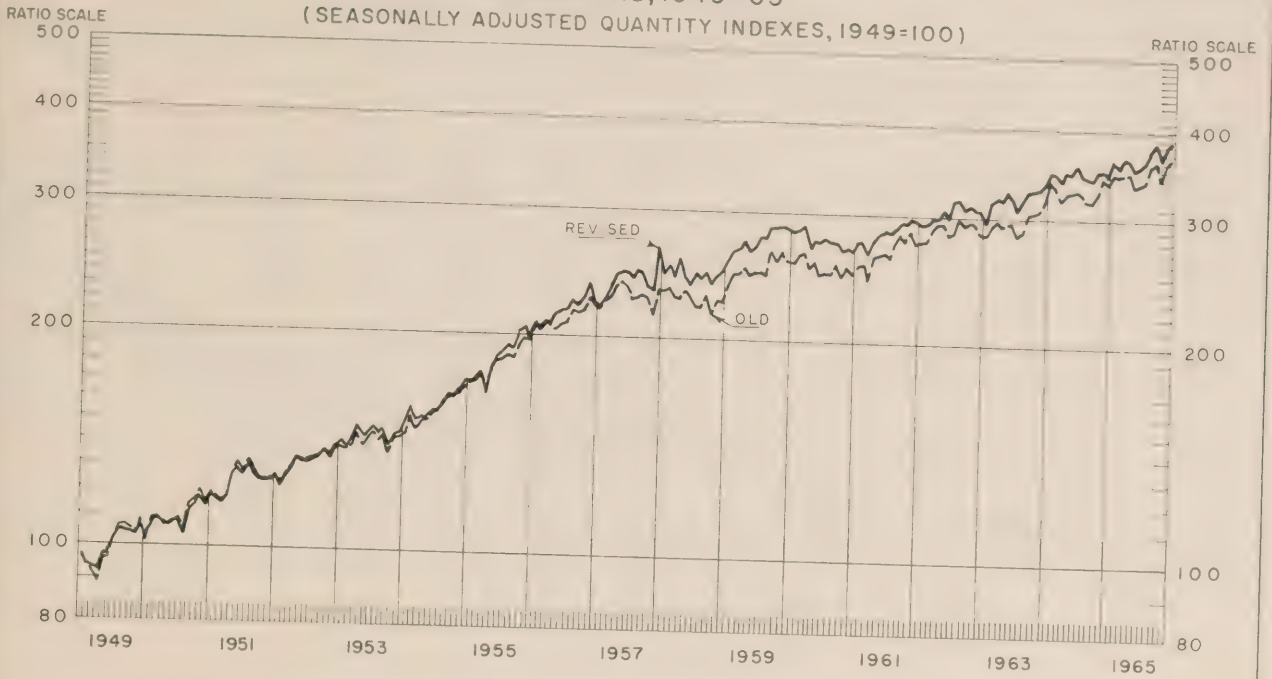


CHART-6

COMPARISON OF THE INDEX OF ELECTRIC POWER AND GAS UTILITIES
BEFORE AND AFTER REVISION, BY MONTHS, 1949-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)

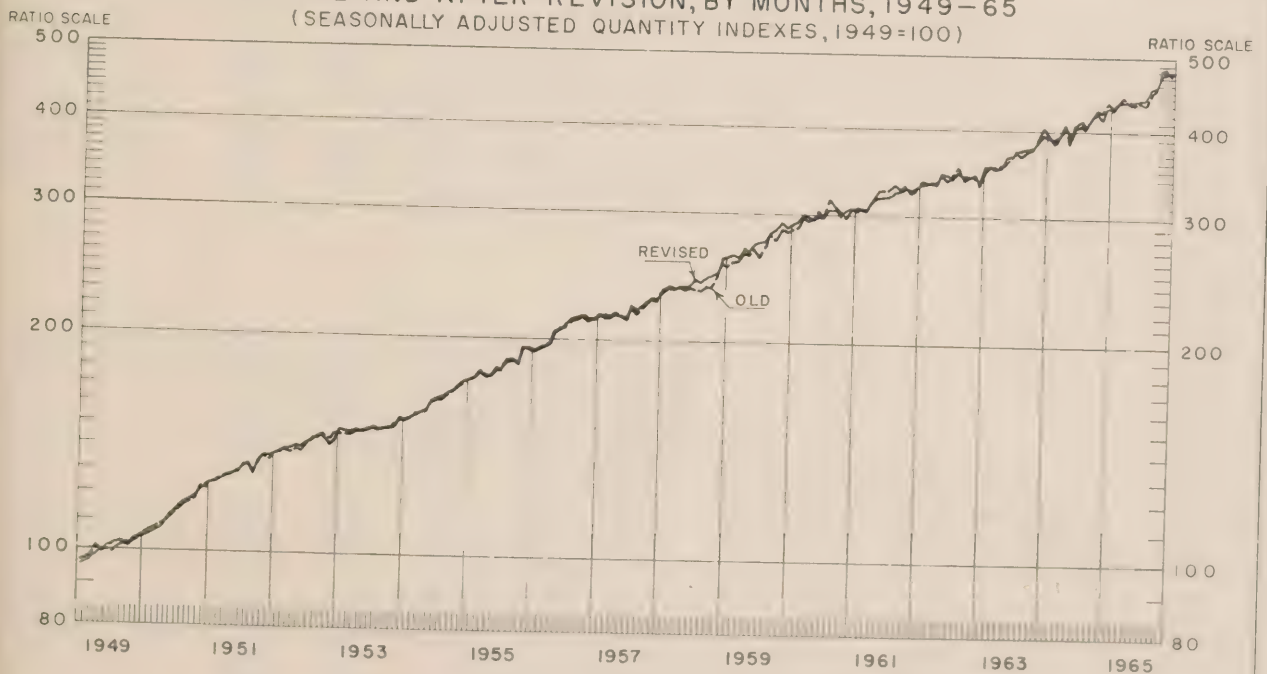


CHART-7

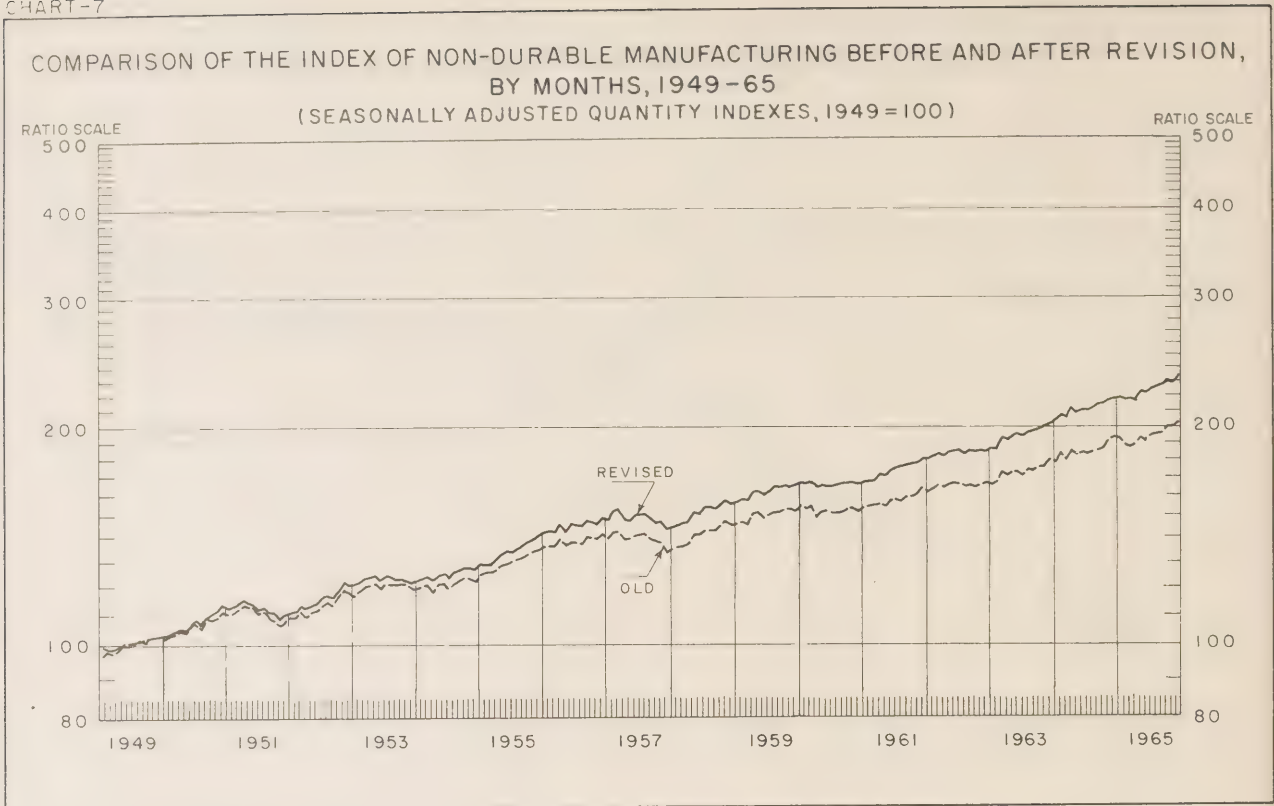


CHART-8

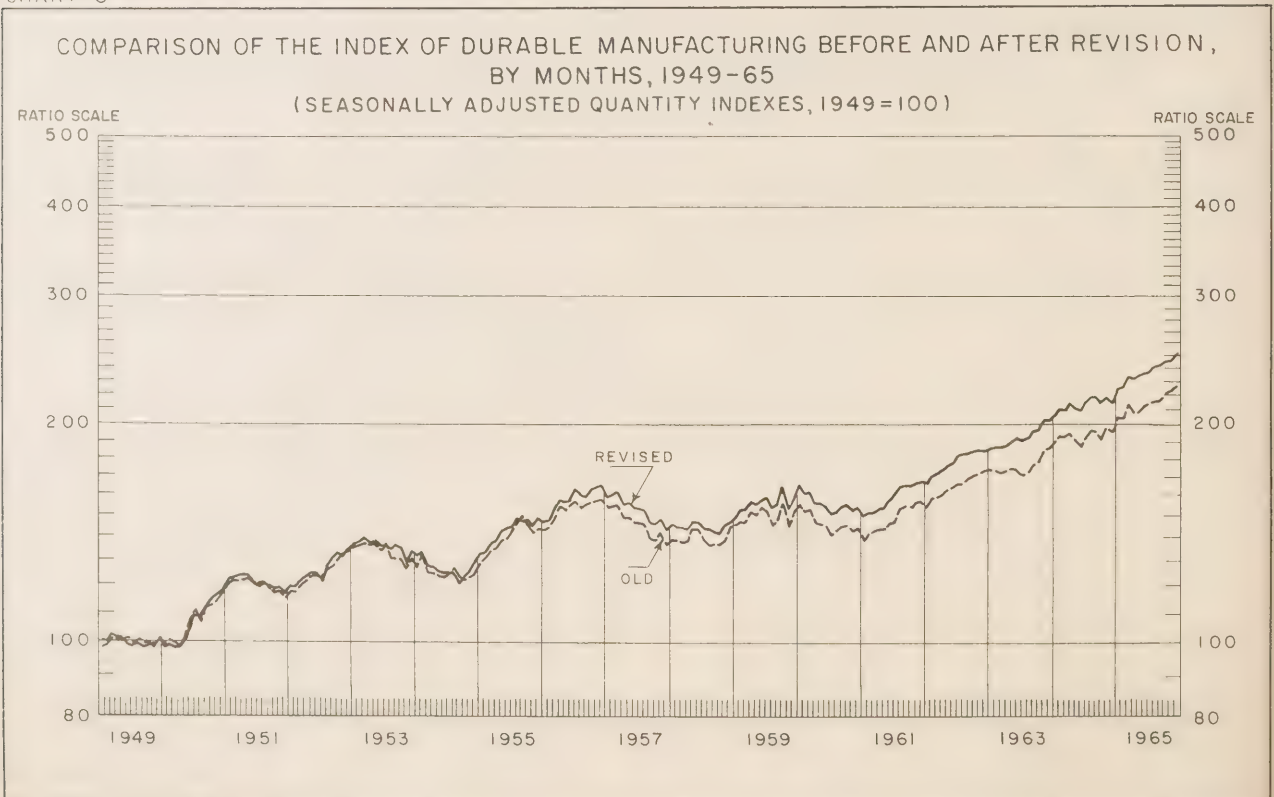


TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Index of Industrial Production (1949 percentage weight 32.231)												
46	82.3	82.2	83.1	83.6	83.8	84.1	84.0	83.4	82.6	83.7	86.5	87.6
47	88.9	89.1	90.1	90.0	90.8	91.9	91.9	93.4	93.9	92.1	92.9	93.3
48	94.2	94.4	94.5	96.6	96.0	95.3	95.7	96.8	97.5	98.3	98.6	98.8
49	99.4	98.5	99.2	99.1	99.8	99.4	99.4	101.1	100.3	100.6	100.4	102.0
50	100.8	102.3	102.3	102.7	103.5	106.6	109.2	107.2	111.2	112.8	114.3	115.5
51	117.1	117.2	117.8	119.1	119.3	118.8	116.9	118.3	116.5	116.1	115.9	115.0
52	117.5	117.1	119.2	119.4	121.1	121.2	121.0	124.2	125.1	127.1	127.8	128.6
53	129.9	131.0	132.5	132.5	132.4	131.1	132.4	131.1	132.0	130.7	128.3	130.6
54	130.8	132.2	130.4	129.3	129.0	129.7	128.8	131.1	129.9	131.4	132.1	134.9
55	137.2	137.7	140.2	140.5	143.7	145.1	145.4	148.9	149.0	150.6	150.9	153.0
56	153.5	153.6	156.2	160.0	158.0	161.0	162.7	162.1	163.1	164.6	165.7	165.9
57	163.2	165.9	167.3	164.2	164.3	164.1	164.1	164.5	161.3	159.6	160.0	160.1
58	159.1	160.5	160.1	161.9	163.2	162.0	163.1	162.7	162.3	162.7	166.1	167.3
59	169.5	172.1	172.2	176.2	175.1	175.6	177.9	176.9	179.2	183.0	178.9	180.8
60	184.2	182.1	183.3	178.4	179.4	178.5	177.5	178.0	178.8	179.5	178.3	178.3
61	178.5	178.9	178.0	182.0	182.6	185.9	187.5	190.0	191.8	192.1	193.5	194.3
62	193.5	195.6	197.9	197.6	200.9	201.9	204.7	204.4	204.8	205.2	205.4	204.5
63	205.9	208.1	211.6	210.3	214.3	215.1	212.9	215.9	219.6	220.9	223.9	225.5
64	229.5	232.4	230.5	235.5	232.7	235.1	235.0	237.5	238.6	238.1	241.2	240.6
65	246.4	245.5	250.6	248.8	250.3	251.6	254.9	258.2	260.2	261.6	264.0	268.6
Total mining (3.245)												
66	75.5	74.1	75.1	76.3	74.8	74.9	76.2	77.2	77.7	74.5	74.7	74.3
67	75.8	71.5	74.7	73.2	74.6	81.4	84.3	84.1	81.2	84.7	82.2	83.9
68	80.0	79.9	83.4	92.7	90.1	89.7	95.4	95.5	93.9	94.0	96.2	95.2
69	97.5	93.8	92.6	91.9	97.0	97.2	101.4	105.9	104.6	104.2	102.7	106.6
70	101.3	108.8	109.5	107.0	106.8	107.1	108.2	103.8	111.6	114.0	119.0	113.6
71	119.6	117.0	115.8	118.4	125.5	129.2	125.0	130.2	125.9	124.5	124.2	124.2
72	125.4	122.1	126.1	129.8	133.2	132.1	131.6	133.0	134.4	136.7	133.3	138.6
73	140.5	138.9	140.9	148.0	142.8	143.4	147.9	144.5	147.4	138.2	144.1	144.8
74	153.3	159.7	150.7	153.2	152.4	154.7	156.7	160.2	163.3	163.7	165.3	170.6
75	170.6	172.8	177.8	166.7	179.9	185.2	189.8	192.9	190.3	200.6	205.4	198.7
76	208.8	204.3	209.1	208.4	211.9	215.0	216.2	223.8	220.0	225.5	237.8	220.8
77	219.6	226.0	234.2	243.9	246.3	244.5	240.5	248.5	245.0	236.9	230.7	266.6
78	245.1	250.7	242.6	259.1	242.2	236.2	245.5	241.5	247.5	239.6	242.9	247.8
79	256.5	264.4	266.8	272.2	262.9	267.7	279.0	277.7	286.7	287.1	288.6	285.7
80	282.1	283.1	287.8	269.7	275.0	272.7	277.8	271.9	271.8	268.0	268.9	267.6
81	273.6	273.8	260.7	278.2	281.6	283.5	281.7	288.2	293.4	292.4	297.9	293.6
82	290.6	291.2	298.5	298.9	304.9	298.5	313.9	314.5	307.6	310.0	307.2	306.1
83	293.6	311.9	319.7	313.6	323.4	317.8	308.0	314.8	325.9	328.0	330.0	337.1
84	347.7	347.2	338.1	347.5	345.9	357.0	343.9	340.4	339.8	349.6	349.7	344.1
85	361.7	352.3	364.3	361.4	350.3	355.4	360.7	373.9	383.7	362.2	377.8	385.0
Total metal mining (1.925)												
86	74.7	73.9	74.3	75.4	72.0	73.0	74.9	74.4	77.1	74.6	76.2	74.7
87	73.4	73.5	80.4	78.8	81.3	84.3	82.8	83.6	79.0	86.3	81.7	82.1
88	81.6	82.7	81.7	90.3	88.3	86.1	89.1	89.4	91.9	92.7	95.2	93.7
89	94.6	95.6	97.6	96.2	102.3	101.8	100.5	101.9	99.4	101.3	99.9	106.0
90	96.3	103.8	99.1	102.2	104.3	102.0	106.1	99.1	108.2	106.5	108.5	101.8
91	109.3	105.2	107.0	107.0	107.2	109.9	108.6	109.8	109.3	106.7	108.5	110.1
92	110.2	107.1	111.6	112.2	109.8	109.9	110.1	113.5	112.2	113.4	110.9	116.2
93	122.7	124.7	123.5	127.1	122.8	120.5	120.8	115.1	117.0	109.9	109.7	107.8
94	124.9	127.9	128.7	134.1	129.2	125.3	126.5	129.6	131.6	134.4	136.1	136.2
95	133.9	137.9	137.9	132.9	140.8	142.9	148.8	155.1	150.6	154.6	154.0	147.0
96	153.0	143.5	141.5	144.2	163.8	167.2	166.9	161.6	160.7	161.5	173.6	150.6
97	153.3	164.7	171.7	170.1	178.2	185.7	188.1	205.0	203.9	197.1	199.3	255.5
98	212.2	217.9	208.0	241.5	214.2	211.7	214.9	215.6	223.7	200.2	200.8	202.8
99	215.0	225.6	234.0	241.4	238.3	228.1	250.5	246.6	249.4	256.1	264.2	248.5
100	243.8	256.1	249.2	231.0	226.8	226.6	239.5	237.0	231.1	231.1	222.5	226.0
101	232.1	226.8	215.0	213.6	213.4	218.8	215.6	217.3	223.5	226.7	221.4	219.3
102	217.9	210.8	214.7	218.2	229.3	228.4	238.0	233.3	225.3	220.2	223.2	224.8
103	202.0	221.7	230.2	232.0	240.5	226.1	213.9	221.1	235.9	230.5	241.5	243.2
104	249.2	256.2	243.8	259.4	242.7	255.8	234.5	243.2	239.5	242.2	237.9	229.1
105	261.0	244.1	256.5	241.4	240.8	238.5	244.5	240.2	260.6	239.5	258.0	270.6

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Gold (1949 percentage weight 0.575)												
1946 ¹												
1947 ¹												
1948 ¹												
1949	94.9	96.2	97.7	95.5	100.4	101.1	98.7	103.1	103.4	104.4	102.1	101.
1950	105.2	105.4	104.9	107.4	104.1	104.7	109.2	106.4	103.9	105.0	105.3	106.
1951	107.5	106.2	103.7	108.0	105.0	104.3	101.0	95.9	105.4	101.7	102.0	106.
1952	102.8	103.5	106.5	104.8	103.9	108.1	108.3	110.1	107.6	109.2	111.5	106.
1953	107.2	108.9	107.6	105.2	105.2	103.2	103.3	98.5	96.7	80.4	81.4	79.
1954	94.5	101.1	103.8	103.0	108.5	106.6	106.2	108.6	104.6	105.4	105.4	105.
1955	108.7	108.2	105.0	105.1	109.0	104.9	112.8	109.1	109.2	110.4	106.9	103.
1956	108.7	103.0	103.9	108.2	101.8	105.1	100.5	99.1	102.7	99.3	101.5	104.
1957	100.7	103.3	104.6	104.3	104.2	105.3	102.2	104.4	110.9	106.6	104.9	106.
1958	107.1	109.9	112.0	109.3	105.1	114.6	109.1	111.5	107.2	108.6	107.7	108.
1959	107.9	109.1	107.4	106.9	108.4	102.6	107.8	105.5	104.9	107.3	112.4	105.
1960	110.9	108.7	107.0	103.5	109.9	110.5	112.6	109.6	107.6	113.3	110.2	110.
1961	110.7	109.9	108.3	108.7	104.8	104.5	103.3	102.6	99.9	101.1	100.1	104.
1962	100.2	99.2	99.6	101.9	95.9	93.6	96.5	95.1	98.0	94.0	93.0	94.
1963	92.0	96.4	93.0	91.0	95.4	95.5	85.9	91.2	94.4	91.6	90.0	87.
1964	87.0	86.3	87.6	86.4	86.2	82.8	88.5	86.7	83.4	83.2	89.8	82.
1965	85.9	83.3	81.4	83.1	80.1	83.0	75.9	79.6	78.6	79.6	77.5	79.
Iron ore (0.099)												
1946 ¹												
1947 ¹												
1948 ¹												
1949	86.2	60.9	90.4	98.3	103.3	103.5	106.1	111.2	102.3	98.5	112.6	97.
1950	56.4	127.1	84.1	77.3	92.6	90.8	91.3	93.9	103.8	115.5	102.5	106.
1951	124.2	105.0	124.0	133.9	127.4	124.9	118.9	113.9	111.1	98.4	108.5	150.
1952	145.8	151.4	152.8	134.9	114.8	144.8	155.9	143.5	125.1	125.3	123.8	142.
1953	186.5	203.2	186.7	221.4	205.2	153.5	143.9	141.3	167.7	183.8	203.0	233.
1954	257.2	233.6	273.1	254.5	154.9	137.5	132.0	183.0	257.9	212.1	245.2	219.
1955	158.2	212.3	236.1	261.3	381.4	415.3	471.0	478.5	460.9	492.2	443.3	266.
1956	382.8	298.3	200.7	295.1	532.0	548.4	552.2	587.3	508.0	545.2	810.5	305.
1957	347.4	408.8	457.8	382.0	485.1	551.3	534.4	629.9	564.4	439.7	479.3	1,463.
1958	603.1	743.6	437.5	901.4	318.0	42.6	449.4	382.6	491.1	386.7	305.2	420.
1959	442.9	427.1	496.0	502.6	487.9	543.4	518.0	550.9	650.9	716.9	977.9	517.
1960	560.4	518.7	550.6	478.1	647.7	655.9	638.2	641.7	561.8	500.6	434.1	497.
1961	613.5	561.9	516.9	486.6	434.4	504.2	514.0	591.9	605.8	688.7	537.7	651.
1962	662.8	565.3	584.4	715.6	819.1	827.4	885.6	839.8	794.8	771.9	739.9	788.
1963	666.2	936.1	974.4	986.8	1,063.1	829.4	775.5	786.6	962.9	842.3	1,119.4	1,221.
1964	1,139.1	1,220.1	1,261.6	1,212.9	1,135.3	1,163.0	1,125.0	1,120.7	1,299.3	1,214.3	1,202.1	1,177.
1965	1,454.3	1,283.9	1,274.1	1,239.0	1,088.6	1,084.2	1,159.7	1,153.3	1,230.7	1,268.8	1,442.8	1,507.
Copper (0.352)												
1946	71.2	68.4	66.7	66.4	65.1	67.2	68.7	71.0	70.6	68.8	81.0	7.
1947	65.1	74.2	90.2	84.5	88.4	87.3	88.8	85.9	85.5	103.0	87.5	8.
1948	92.8	89.3	89.9	89.5	89.8	93.7	89.0	86.3	94.9	93.4	93.3	9.
1949	96.0	99.1	97.5	99.6	97.1	98.0	100.2	103.6	103.3	102.4	99.0	10.
1950	100.1	105.9	98.3	98.3	99.7	97.4	99.3	97.3	97.9	103.4	105.2	10.
1951	103.0	97.1	105.9	106.1	104.4	107.0	104.7	103.9	102.9	98.0	99.3	9.
1952	101.0	96.2	96.8	98.7	100.7	96.5	92.0	96.4	102.7	99.4	96.1	9.
1953	106.7	102.6	102.6	100.3	98.7	101.8	104.6	98.4	92.9	88.9	78.1	7.
1954	78.5	91.4	113.8	126.8	125.5	120.1	122.0	123.4	111.4	127.4	119.2	11.
1955	121.3	124.8	114.4	117.1	117.0	126.8	121.8	124.5	127.4	127.6	122.4	13.
1956	139.7	128.1	135.4	129.0	135.0	132.6	142.7	131.6	140.6	137.1	133.7	13.
1957	121.0	144.2	132.5	129.7	121.9	121.0	120.0	136.7	149.3	141.6	159.9	15.
1958	153.3	151.4	149.0	152.5	149.6	144.3	140.7	138.9	122.2	100.8	89.2	8.
1959	113.9	137.5	141.4	149.7	148.6	163.6	161.6	155.5	158.9	160.0	152.9	15.
1960	170.6	172.9	173.4	164.8	172.1	165.6	168.0	167.6	154.4	159.4	162.6	17.
1961	169.7	164.9	157.7	164.5	165.1	166.5	168.5	162.8	168.5	178.2	168.3	16.
1962	160.6	168.3	169.6	164.1	171.4	167.7	179.7	186.2	182.3	168.7	186.7	17.
1963	165.3	164.3	169.7	173.6	166.1	176.8	160.8	170.9	187.1	187.7	173.9	16.
1964	186.3	182.1	186.4	185.1	186.2	193.5	185.2	195.5	177.2	191.6	189.7	19.
1965	193.7	195.6	191.9	196.9	215.9	187.2	204.5	186.1	193.1	179.3	196.9	20.

¹ This series has been revised for the period from 1949 to 1965. Since a break occurs between the years 1948 and 1949, indexes are not shown for period 1946-48. (See technical note page 7).

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Nickel (1949 percentage weight 0.333)												
946	63.5	65.1	69.8	76.4	69.6	73.1	77.5	76.6	86.9	80.4	81.9	76.0
947	89.2	88.6	89.0	82.8	91.5	93.3	93.8	99.1	80.0	107.1	90.5	101.3
948	99.6	96.4	93.4	112.5	103.8	98.0	101.2	90.1	102.2	96.1	116.3	116.2
949	106.5	109.9	111.1	103.4	97.7	94.8	95.3	96.4	91.5	99.5	92.4	100.7
950	95.8	97.4	81.6	104.2	96.0	96.3	91.8	73.3	111.7	95.3	112.6	96.8
951	101.9	99.0	102.9	98.4	110.1	106.5	116.0	116.1	111.6	108.8	109.0	96.8
952	108.8	106.5	109.6	114.3	110.2	113.8	101.5	112.1	105.2	109.4	107.0	107.1
953	114.4	108.6	108.5	109.5	103.8	106.8	114.0	110.9	115.6	115.9	119.6	111.3
954	116.2	119.6	120.0	120.5	121.5	122.8	123.1	124.3	130.2	133.4	133.4	139.8
955	130.5	132.0	137.2	139.7	139.3	138.2	136.9	136.6	132.1	134.0	135.4	139.0
956	135.6	141.9	138.0	135.5	138.2	136.4	141.9	136.8	139.5	138.4	143.7	138.9
957	149.5	145.5	149.7	144.1	146.6	144.6	147.6	152.2	148.7	145.8	139.2	139.8
958	150.0	154.1	143.7	142.5	137.2	135.6	119.3	113.5	111.7	31.6	27.5	29.2
959	73.3	124.6	137.9	148.7	151.1	155.5	152.3	153.2	153.6	160.6	159.3	171.1
960	160.0	159.4	165.4	168.2	155.4	172.2	166.2	175.5	172.0	167.5	164.3	174.4
961	169.0	169.7	158.1	157.6	173.3	181.1	193.9	182.8	197.8	203.5	204.2	181.4
962	195.3	181.1	196.4	178.0	180.2	174.7	182.6	183.6	181.8	152.2	184.3	175.8
963	167.9	172.0	173.2	180.7	172.6	165.4	141.5	169.9	177.4	172.3	162.0	166.7
964	168.6	179.1	167.2	177.1	182.7	184.5	176.6	174.7	172.8	191.8	195.5	204.0
965	222.4	202.6	214.2	208.6	203.6	205.8	217.2	216.6	209.4	206.4	208.6	212.2
Non-metals (0.268)												
966	88.9	84.4	91.3	95.7	99.1	102.0	102.1	100.3	103.7	104.9	105.2	104.1
967	107.6	109.5	124.2	107.9	106.7	111.2	113.9	112.7	108.9	110.9	113.5	117.0
968	112.5	117.4	111.8	124.7	123.4	115.5	126.0	126.5	128.0	122.0	123.4	120.5
969	126.3	77.4	43.0	40.8	58.5	63.5	130.0	129.9	131.7	132.9	123.6	130.9
970	128.3	131.9	132.2	136.9	135.1	133.7	116.4	142.3	144.2	150.7	155.4	158.1
971	152.0	149.3	166.5	164.6	161.2	169.6	154.1	151.1	149.9	147.0	152.5	153.9
972	156.6	157.3	160.3	151.8	156.8	159.1	149.7	147.5	154.7	158.9	150.4	150.3
973	151.6	150.2	153.8	153.6	157.2	153.8	153.3	159.3	144.1	138.9	148.6	148.2
974	140.3	151.9	152.9	154.4	145.6	152.7	152.9	163.4	170.7	173.5	159.7	163.5
975	168.9	166.6	167.6	165.0	172.6	189.6	183.6	184.7	187.4	184.0	197.2	192.7
976	215.5	201.0	198.6	200.0	198.6	175.3	196.7	186.6	174.5	176.6	193.7	184.5
977	191.7	189.3	178.3	192.8	186.4	183.7	171.7	177.3	191.7	169.4	163.2	190.3
978	163.0	165.4	165.2	160.3	161.2	156.1	158.8	177.4	181.1	201.3	189.8	181.8
979	182.9	184.7	195.4	196.3	192.3	216.8	211.9	195.8	198.8	200.7	201.6	187.3
980	192.6	195.3	194.2	191.3	207.3	189.8	190.8	189.5	197.4	194.6	207.3	207.9
981	208.6	205.8	205.7	208.4	203.1	219.1	216.5	219.9	219.6	219.4	216.0	229.7
982	220.4	218.4	225.5	228.4	222.6	229.8	235.0	237.7	237.5	246.5	242.8	249.5
983	262.3	266.6	267.0	253.4	272.7	267.4	258.2	282.5	282.7	277.9	293.6	290.8
984	289.2	298.5	296.8	312.5	313.5	302.9	321.2	315.6	324.5	317.7	334.2	322.9
985	349.8	349.6	360.1	359.2	360.7	379.0	377.9	403.2	372.7	404.3	390.0	410.3
Asbestos (0.189)												
986	92.9	85.6	93.4	97.4	101.2	106.1	106.8	103.2	106.7	106.8	106.0	105.0
987	109.6	113.4	127.5	110.5	110.6	112.9	116.9	115.3	108.6	115.8	117.7	120.8
988	114.8	124.8	117.4	128.1	125.8	116.1	126.5	129.7	133.0	123.2	127.1	123.8
989	133.2	66.7	17.4	18.4	38.2	49.2	142.3	143.0	144.6	146.9	136.5	145.2
990	142.5	143.7	148.4	149.8	147.8	144.9	121.9	158.2	159.7	164.5	165.5	173.6
991	162.3	161.6	186.8	179.3	182.3	192.6	165.4	163.6	160.6	159.9	166.5	167.9
992	176.9	174.3	176.6	172.7	176.4	166.8	165.5	159.8	171.2	178.8	170.3	166.8
993	169.8	168.9	166.9	165.7	166.9	168.5	162.9	158.1	149.9	154.6	159.4	157.5
994	148.5	162.1	167.5	166.8	160.9	154.7	160.2	173.4	183.8	181.8	169.4	180.8
995	181.7	180.5	180.3	178.5	175.9	208.1	189.5	200.2	193.1	206.8	209.6	209.6
996	201.9	194.0	194.5	198.5	209.1	181.3	207.7	199.4	179.5	178.0	187.1	177.3
997	196.0	195.8	189.0	193.9	191.0	182.9	179.1	175.5	184.4	180.2	167.3	206.0
998	172.3	172.0	166.1	165.7	158.8	157.0	162.9	184.4	193.2	210.1	197.7	178.6
999	243.1	179.9	188.1	185.5	183.2	209.0	207.8	184.5	184.8	201.1	208.5	192.3
1000	195.2	191.3	200.1	201.7	212.5	198.0	190.7	191.8	209.0	193.0	206.9	216.8
1001	212.2	226.8	220.5	214.9	216.3	229.4	222.5	222.0	220.2	223.8	222.0	237.8
1002	233.8	239.4	242.8	236.0	232.6	236.0	238.1	244.0	231.2	234.0	217.4	217.4
1003	243.2	246.1	227.1	221.6	239.2	227.4	231.2	255.9	256.5	245.5	262.5	245.3
1004	249.1	250.4	247.1	265.7	260.3	259.5	269.4	254.9	256.5	259.8	274.9	269.6
1005	263.1	268.4	271.9	271.2	264.9	273.5	269.2	267.4	266.4	278.4	266.6	281.5

TABLE 1. SEASONALLY ADJUSTED INDEXES of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total fuel mining (1949 percentage weight 0.915)												
1946	75.3	74.6	74.0	74.9	75.5	73.8	74.4	79.1	73.5	67.8	63.7	65.8
1947	72.5	54.6	47.9	50.1	50.8	66.5	78.2	76.8	76.8	72.3	73.3	75.0
1948	63.7	60.2	77.3	87.8	82.7	87.5	98.1	97.8	88.2	86.3	88.4	91.4
1949	96.7	97.2	97.9	98.2	96.0	96.2	94.2	105.2	107.3	103.5	104.4	102.6
1950	104.3	112.5	124.4	108.1	103.1	106.5	108.6	102.0	108.1	116.5	127.9	122.2
1951	129.2	129.2	114.2	124.0	150.8	156.5	147.7	165.6	152.3	152.4	147.0	142.7
1952	148.6	138.0	144.7	156.8	173.2	167.8	168.3	166.8	171.1	175.5	170.9	179.4
1953	167.6	163.3	171.8	190.0	180.3	190.7	203.2	201.9	210.9	194.5	211.9	216.8
1954	216.1	227.6	191.9	188.2	198.9	211.1	216.4	217.0	223.9	219.4	223.7	241.8
1955	245.3	247.8	264.2	236.5	260.8	270.8	277.0	273.6	270.8	300.6	316.2	304.7
1956	319.6	329.1	352.4	342.2	316.0	325.4	321.2	362.8	360.3	371.1	383.8	381.9
1957	366.4	357.3	369.2	410.7	403.9	381.8	367.6	360.2	346.3	340.4	314.5	312.7
1958	333.4	347.6	335.3	324.3	316.9	309.1	335.4	313.4	317.9	331.7	345.1	362.4
1959	364.0	365.4	353.2	353.6	330.3	362.0	354.3	366.2	389.8	376.1	366.1	389.6
1960	387.1	363.2	397.0	373.7	394.6	387.8	378.9	363.8	373.4	362.6	378.7	371.9
1961	376.1	389.3	368.3	435.5	448.3	440.4	442.1	455.5	460.1	448.8	483.0	466.1
1962	466.5	479.3	491.1	475.1	478.1	455.1	486.5	497.6	493.6	508.4	487.5	488.4
1963	489.3	512.5	521.4	496.9	505.5	519.8	513.9	516.7	519.7	541.8	523.4	542.2
1964	558.1	538.3	538.1	533.9	565.8	576.6	569.6	543.2	546.4	574.1	576.3	576.0
1965	564.9	568.7	577.1	601.8	563.4	582.5	587.8	633.2	633.7	593.6	609.9	601.7
Coal (0.553)												
1946	96.9	96.4	95.9	97.4	98.7	96.2	97.7	105.6	95.6	86.3	79.8	83.1
1947	94.6	64.9	53.3	56.5	57.3	84.0	104.0	101.3	100.0	91.6	91.1	91.7
1948	72.8	65.9	94.0	111.7	100.3	104.1	119.1	116.3	103.9	98.4	98.1	100.7
1949	102.7	98.4	95.1	92.3	96.8	97.0	98.4	108.6	107.9	103.4	102.6	96.0
1950	93.7	103.3	111.7	98.6	101.1	99.5	97.3	89.2	91.7	95.6	97.1	100.1
1951	97.9	96.0	87.6	104.5	95.9	95.5	91.7	107.2	95.5	93.3	96.8	89.1
1952	96.6	91.1	90.7	92.7	92.1	91.7	96.3	86.5	90.6	89.2	82.3	88.1
1953	86.0	78.5	80.7	80.0	82.2	83.5	88.5	76.9	79.8	83.1	79.7	79.7
1954	78.2	82.9	74.5	77.2	70.5	79.0	72.9	73.1	75.3	71.5	73.6	72.1
1955	71.0	71.1	80.7	68.5	76.3	71.3	68.8	74.4	74.4	71.3	79.4	79.1
1956	82.0	75.8	78.4	79.6	78.2	72.7	74.8	79.1	70.6	69.5	69.5	69.1
1957	65.5	71.3	66.6	68.8	67.0	65.8	58.0	70.7	63.6	67.5	60.3	61.1
1958	61.5	63.3	60.1	60.5	59.4	55.9	55.2	39.2	50.2	54.4	54.9	60.1
1959	58.4	46.2	43.3	61.3	40.5	46.3	56.5	46.7	54.5	53.6	54.4	54.7
1960	54.4	54.9	63.1	47.6	48.9	50.7	54.0	57.2	58.4	51.6	55.5	45.1
1961	47.4	48.5	42.9	53.2	57.9	53.7	47.8	44.2	49.3	52.0	50.5	50.1
1962	48.2	46.7	53.2	42.3	49.8	49.9	53.7	50.7	45.4	49.9	48.2	49.1
1963	53.4	54.6	48.4	53.2	54.5	47.8	52.4	52.2	51.6	50.6	51.1	53.1
1964	51.9	52.0	53.5	55.7	53.9	60.1	55.9	55.9	56.0	55.8	55.4	57.1
1965	58.3	58.1	60.2	58.8	55.0	56.2	49.1	56.4	54.9	53.9	57.5	55.1
Natural gas (0.035)												
1946	83.3	79.1	75.2	80.5	82.6	84.6	82.7	86.2	87.6	89.2	88.1	87.1
1947	85.2	94.9	94.1	94.8	91.6	89.2	87.8	84.9	87.6	85.2	98.5	96.1
1948	96.7	98.6	103.2	100.7	95.6	100.1	106.6	106.3	101.9	100.5	100.6	103.1
1949	98.2	106.3	99.9	93.4	99.7	99.2	97.1	99.7	97.5	97.4	96.3	110.1
1950	108.2	97.8	101.2	105.5	101.7	93.9	109.9	106.1	114.7	118.6	120.9	109.1
1951	108.2	115.2	116.1	115.5	118.6	128.5	125.0	131.5	133.0	143.3	115.8	113.1
1952	107.9	108.8	113.0	129.0	135.4	143.7	155.1	162.1	137.7	129.5	133.2	131.1
1953	146.8	142.8	149.0	145.5	141.5	141.1	138.1	139.1	146.2	147.6	161.0	162.1
1954	173.0	165.9	167.1	172.3	172.7	162.0	160.8	163.9	159.1	178.7	174.1	175.1
1955	170.0	184.0	202.6	179.5	186.9	191.2	203.1	207.5	223.3	215.5	242.8	250.1
1956	228.9	230.1	216.3	209.9	218.3	218.6	226.6	236.5	244.1	249.4	244.8	261.1
1957	272.2	272.0	261.6	293.2	265.9	283.2	284.1	277.4	294.5	341.0	327.6	309.1
1958	339.3	367.7	392.6	373.7	373.4	377.4	399.0	419.8	448.3	422.0	456.9	478.1
1959	481.0	448.5	442.0	447.2	477.3	486.3	481.2	509.3	516.3	520.2	549.3	519.1
1960	524.4	538.2	590.9	562.3	584.1	601.5	605.5	597.4	596.8	621.8	629.3	673.1
1961	648.8	635.2	655.4	700.9	691.8	691.6	695.5	722.4	722.1	750.2	775.5	840.1
1962	877.8	949.7	936.1	924.3	974.0	1,017.0	1,054.1	1,084.5	1,101.7	1,089.4	1,054.3	1,039.1
1963	1,111.3	1,136.8	1,092.7	1,143.0	1,166.0	1,173.1	1,204.4	1,206.4	1,273.2	1,217.6	1,268.5	1,214.1
1964	1,245.2	1,274.5	1,308.6	1,371.1	1,365.0	1,388.7	1,455.6	1,431.9	1,426.8	1,468.9	1,413.0	1,505.1
1965	1,418.5	1,399.2	1,463.3	1,461.3	1,496.1	1,534.1	1,491.8	1,531.5	1,483.7	1,498.5	1,520.1	1,457.1

TABLE 1. SEASONALLY ADJUSTED INDEXES of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Petroleum (1949 percentage weight 0.327)												
1946	37.9	37.4	36.9	36.4	35.5	34.8	34.1	33.6	34.7	34.2	34.0	33.6
1947	33.8	32.8	33.7	34.4	35.5	34.5	33.5	34.5	36.3	38.3	40.5	44.6
1948	44.7	46.4	46.3	46.0	51.5	58.2	61.6	65.7	60.3	64.2	70.6	74.3
1949	86.5	94.2	102.4	108.7	94.3	94.4	86.9	100.1	107.3	104.4	108.2	112.0
1950	121.8	129.7	148.4	124.5	106.7	119.6	127.7	123.1	135.1	151.6	180.7	159.8
1951	184.3	186.8	159.1	158.0	247.0	262.6	244.7	267.9	250.5	253.3	235.1	236.5
1952	241.0	220.4	239.4	268.2	314.3	299.1	291.5	303.2	310.8	326.4	324.8	338.7
1953	307.8	308.9	328.3	380.7	350.4	377.3	404.2	419.9	439.4	387.9	440.9	454.5
1954	453.9	478.9	393.2	377.7	418.8	439.7	464.9	465.9	482.2	474.0	482.9	534.7
1955	548.2	553.5	581.1	526.7	580.7	616.6	637.1	617.5	608.0	697.5	724.6	691.7
1956	731.0	768.0	830.3	800.4	728.5	764.1	747.9	856.0	862.6	894.2	930.2	923.7
1957	885.4	850.0	892.5	1,001.6	988.5	926.7	900.0	858.6	829.8	801.9	742.9	737.9
1958	792.6	826.2	794.6	765.1	746.4	729.9	802.4	765.6	756.6	790.9	824.0	860.8
1959	868.3	896.4	867.7	837.9	804.7	882.6	844.3	891.3	943.2	906.1	873.7	942.1
1960	935.0	865.9	940.8	905.0	958.9	934.9	904.1	857.3	882.3	860.9	898.5	892.3
1961	902.9	939.3	888.0	1,053.5	1,082.4	1,067.5	1,081.7	1,125.5	1,126.7	1,087.5	1,183.2	1,128.6
1962	1,129.8	1,160.4	1,184.0	1,159.0	1,149.2	1,080.2	1,157.6	1,190.5	1,186.4	1,221.7	1,169.7	1,172.6
1963	1,159.9	1,220.0	1,260.2	1,178.2	1,197.4	1,248.1	1,220.4	1,228.4	1,230.7	1,300.1	1,242.4	1,297.6
1964	1,340.5	1,281.8	1,275.2	1,253.1	1,346.0	1,363.1	1,343.4	1,272.3	1,281.4	1,354.9	1,367.6	1,353.7
1965	1,330.4	1,343.2	1,356.4	1,428.0	1,323.4	1,370.7	1,402.0	1,512.4	1,521.5	1,409.4	1,446.7	1,433.6
Total manufacturing (27.340)												
1946	83.3	83.4	84.4	84.8	85.2	85.5	85.3	84.5	83.4	85.0	88.0	89.4
1947	91.2	91.5	92.2	92.2	92.9	93.2	94.3	94.8	93.0	93.8	95.8	94.5
1948	95.9	96.2	95.9	97.2	96.8	96.0	95.8	97.0	98.0	98.9	99.3	99.3
1949	99.9	99.2	100.0	99.9	100.2	99.6	99.1	100.4	99.7	100.2	100.0	101.4
1950	100.4	101.3	101.1	101.8	102.7	106.2	109.0	107.1	110.7	112.3	113.3	115.3
1951	116.5	116.8	117.6	118.8	118.0	116.9	115.1	116.2	114.7	113.9	113.6	112.6
1952	115.4	115.3	117.2	117.0	118.5	118.8	118.5	122.1	122.9	124.9	126.4	126.5
1953	127.6	129.1	130.7	129.8	130.3	128.7	129.6	128.6	129.2	128.7	125.2	127.6
1954	126.9	127.8	126.5	124.8	124.5	124.9	123.5	125.7	123.8	125.3	125.9	128.4
1955	131.0	131.2	133.4	135.2	137.3	138.1	138.0	141.4	141.8	142.6	141.8	145.0
1956	144.7	145.3	147.6	152.0	148.8	151.9	153.6	151.8	153.3	154.3	154.4	156.7
1957	153.4	155.9	156.5	151.5	151.5	151.6	151.5	151.2	147.8	146.4	147.4	143.4
1958	144.4	145.3	145.7	145.9	149.4	148.7	148.6	148.7	147.4	148.6	152.0	152.1
1959	153.7	155.7	155.5	159.1	159.1	158.9	160.2	159.1	160.3	164.4	159.1	161.9
1960	166.2	163.5	163.9	160.6	161.1	160.1	158.3	159.2	160.2	161.8	160.0	160.1
1961	159.7	160.1	160.6	162.8	162.7	166.4	168.4	170.5	171.7	172.0	173.3	174.6
1962	173.7	175.9	177.7	177.3	180.1	182.1	183.6	182.7	184.4	184.5	185.1	184.7
1963	186.9	187.0	190.3	189.5	192.2	193.8	192.1	194.8	197.6	198.8	201.4	202.1
1964	205.7	209.5	207.9	212.2	209.6	210.2	211.4	215.0	215.7	213.9	217.7	217.0
1965	221.8	221.3	225.8	224.1	227.3	228.1	231.3	232.8	233.7	237.1	237.6	242.5
Total non-durable manufacturing (14.742)												
1946	89.2	89.2	90.0	88.9	88.9	89.6	88.4	89.5	89.0	89.6	92.1	93.0
1947	92.5	92.1	93.7	93.3	93.5	93.3	93.6	94.5	91.2	91.4	95.2	94.1
1948	95.4	96.4	94.5	95.8	95.7	95.4	95.7	96.1	96.5	97.7	97.5	97.2
1949	99.2	98.6	98.4	98.6	99.7	99.4	99.8	100.9	100.4	101.3	101.3	101.7
1950	102.0	102.9	103.3	104.5	104.1	106.8	108.1	105.8	109.9	110.8	111.7	113.6
1951	112.6	112.8	113.8	115.5	114.2	113.6	111.7	112.8	110.7	110.1	108.8	110.0
1952	111.5	111.7	113.3	112.2	113.2	114.0	116.0	116.6	116.0	118.4	121.9	120.4
1953	120.4	121.6	123.6	123.8	124.6	122.7	124.3	124.0	123.5	123.5	123.3	122.8
1954	123.3	123.4	124.4	122.0	124.1	125.4	123.5	126.2	127.0	127.8	127.5	127.4
1955	129.8	129.7	129.7	131.8	133.1	134.0	133.3	135.1	136.6	138.0	139.3	141.5
1956	142.7	142.8	142.6	146.7	142.6	146.6	146.0	145.4	148.3	147.0	146.6	149.8
1957	148.6	152.0	152.6	148.4	148.0	150.0	150.1	150.1	148.2	146.4	146.7	143.8
1958	143.9	145.7	147.0	148.0	151.0	150.6	153.0	153.0	152.3	155.3	158.7	155.7
1959	157.0	159.1	158.2	161.6	161.9	160.0	161.2	164.5	164.2	164.8	164.1	164.9
1960	167.8	166.2	166.5	164.0	165.5	165.4	165.1	165.5	165.6	167.7	167.0	167.9
1961	167.7	167.6	168.1	171.1	170.3	173.5	175.4	175.7	177.1	177.6	178.7	180.7
1962	180.1	180.9	182.6	181.0	183.2	184.6	185.2	182.8	184.9	184.6	185.2	185.6
1963	187.3	187.2	193.3	191.0	193.6	195.3	193.8	197.6	199.4	199.4	200.2	201.7
1964	204.6	208.7	206.4	211.2	208.8	210.7	209.3	211.5	212.9	214.1	217.1	219.0
1965	219.2	217.9	218.9	217.7	222.2	221.0	225.2	226.3	227.1	230.2	229.1	234.7

CHART-9

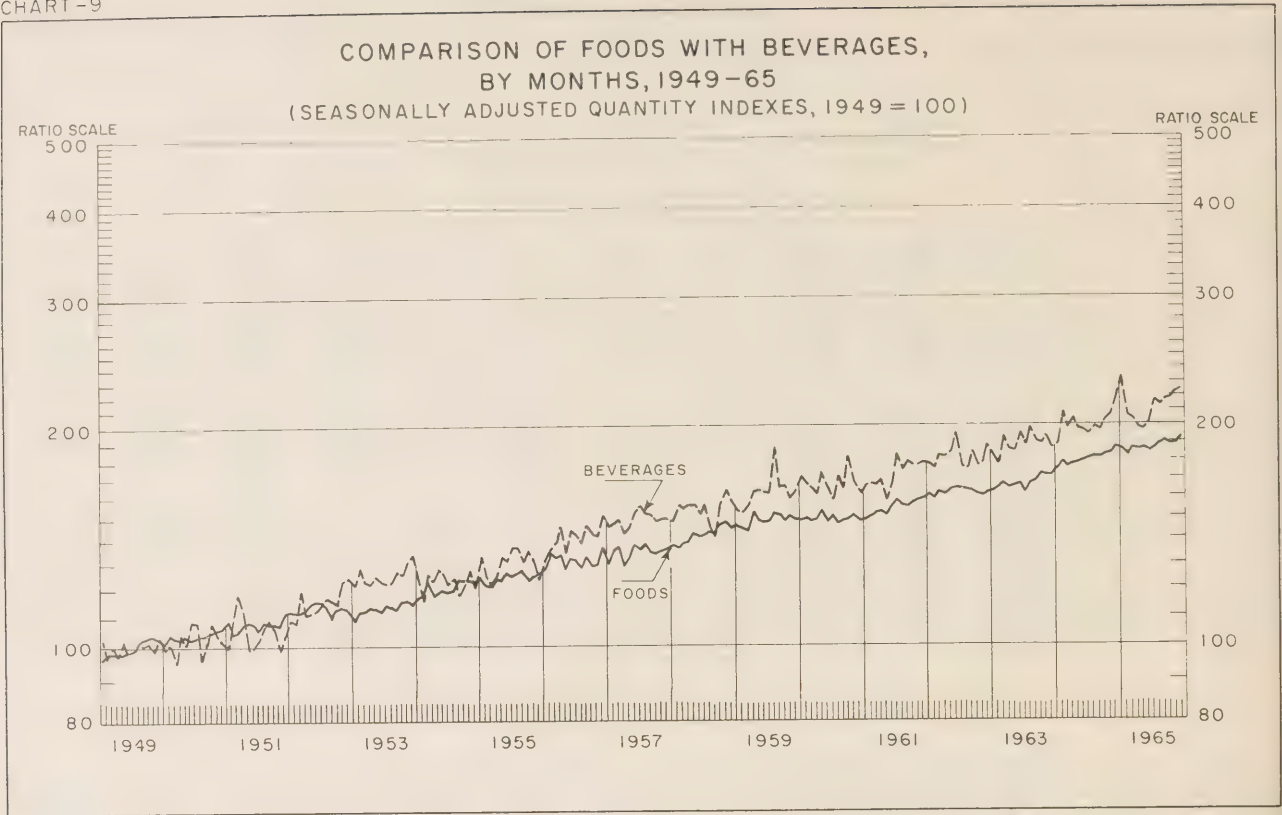


CHART-10

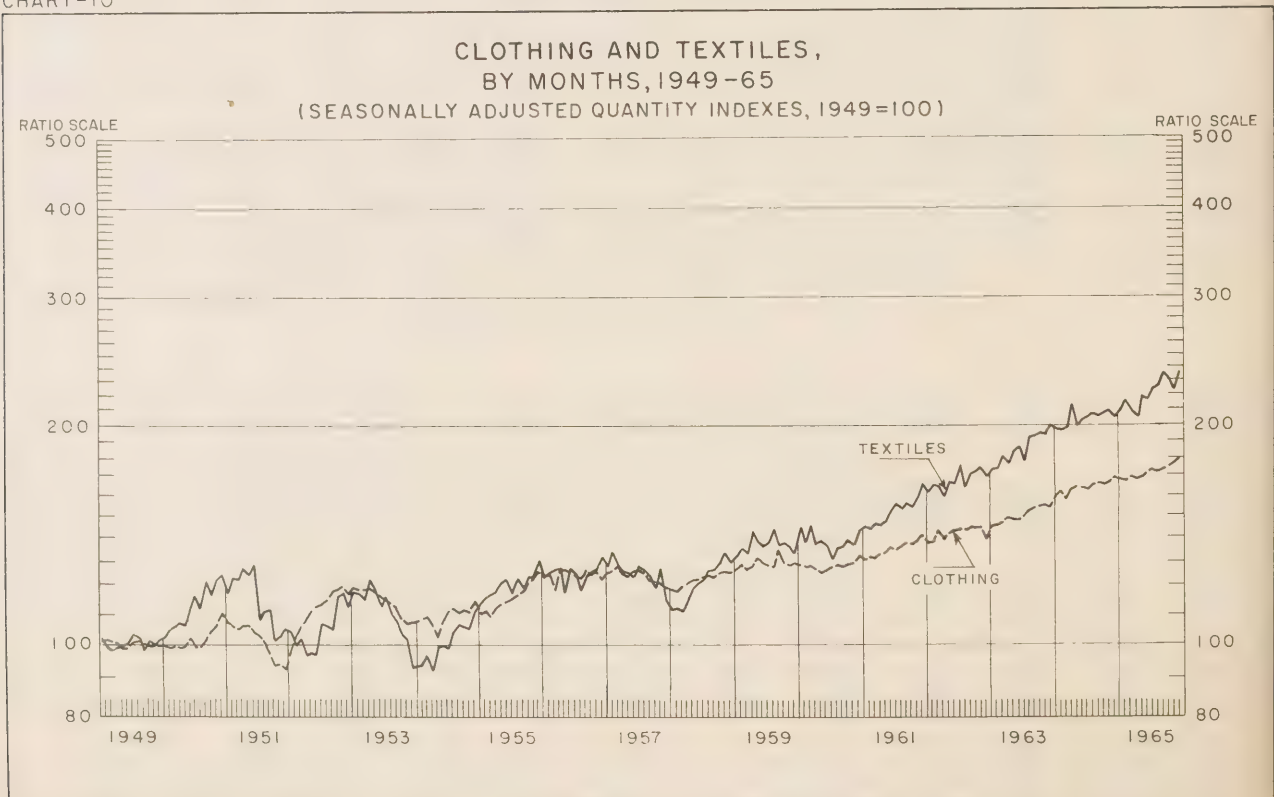


TABLE I. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total foods and beverages (1949 percentage weight 3.814)												
946	99.7	100.6	100.4	95.8	94.5	97.8	98.4	99.5	96.4	97.0	98.7	99.9
947	98.4	96.6	97.1	98.4	97.0	97.1	97.1	99.1	90.5	92.0	103.5	101.7
948	102.4	102.3	97.2	97.8	97.2	95.8	95.2	95.7	97.8	98.8	98.7	98.3
949	97.9	97.0	98.3	97.5	98.8	98.5	99.4	101.6	101.7	102.6	102.3	102.2
950	100.6	102.9	100.8	102.7	102.5	103.5	103.4	100.7	102.5	105.0	105.3	105.0
951	106.9	105.2	107.8	108.4	105.4	104.8	104.7	108.2	107.7	107.2	104.8	109.2
952	111.4	110.9	113.2	111.8	114.2	115.0	115.3	113.9	111.3	113.2	116.6	116.7
953	111.7	115.6	114.8	115.7	116.3	114.5	116.7	116.7	116.4	118.6	119.9	118.5
954	118.4	117.1	123.2	118.5	121.1	121.3	119.4	120.7	121.9	122.1	123.7	121.0
955	126.0	121.8	120.5	123.8	125.6	126.8	127.1	128.0	128.1	125.8	125.4	126.1
956	129.3	135.3	134.1	136.4	129.6	134.9	133.4	131.2	136.2	132.3	132.0	140.1
957	133.7	138.9	140.3	132.5	135.1	141.6	140.8	141.5	138.0	137.2	138.1	138.2
958	139.9	141.0	142.2	143.0	145.4	143.3	144.9	143.7	142.4	149.7	152.0	148.8
959	148.9	147.6	147.2	154.6	152.6	151.4	151.9	160.7	154.0	152.6	152.8	152.3
960	154.4	154.0	152.6	152.4	157.8	152.3	152.5	153.3	152.4	157.2	154.8	151.6
961	153.5	154.9	155.5	156.8	152.3	157.7	165.0	160.4	161.7	162.7	163.7	164.2
962	165.0	163.5	167.3	166.0	168.5	171.8	166.8	166.4	168.8	164.3	164.4	168.9
963	167.5	168.4	173.5	170.1	170.2	173.7	168.7	175.1	174.1	176.1	176.4	174.4
964	178.5	187.0	181.3	184.7	183.7	184.2	183.7	185.8	184.6	188.0	188.9	195.7
965	197.6	188.6	191.1	189.9	189.8	188.9	193.7	194.9	196.9	195.8	196.8	200.1
Total foods (2.896)												
966	106.4	106.7	105.4	100.2	97.8	102.0	102.4	105.2	100.9	102.8	104.0	104.4
967	101.7	99.4	99.6	102.8	101.0	100.7	102.0	102.7	91.5	93.2	107.1	105.7
968	104.3	103.9	100.1	98.7	98.0	96.6	95.2	95.7	98.4	98.9	99.5	99.4
969	96.3	97.1	97.8	97.5	97.5	98.6	99.4	101.6	102.2	103.0	103.3	102.1
970	100.8	103.7	102.7	102.4	103.0	101.9	102.0	102.2	102.9	104.0	105.9	106.3
971	109.2	103.9	104.5	107.1	107.3	106.4	105.3	108.5	107.4	107.4	107.0	111.0
972	112.0	111.5	111.1	112.2	115.1	115.8	115.4	112.7	109.8	113.0	114.4	113.8
973	108.5	111.4	112.1	113.8	113.7	111.7	115.0	114.7	112.9	116.3	116.4	113.6
974	117.3	117.5	122.1	117.4	118.6	119.8	118.7	119.6	123.1	122.3	122.2	121.3
975	123.8	120.9	120.4	123.3	123.1	125.5	124.0	125.2	127.4	122.7	123.9	126.8
976	128.4	135.0	132.6	133.5	128.3	132.1	131.0	128.7	133.2	129.0	129.3	136.9
977	129.8	136.1	137.3	129.7	132.0	138.3	135.4	138.4	134.0	133.4	134.5	134.6
978	137.2	136.1	138.2	139.2	142.3	140.9	141.7	143.4	142.9	147.6	148.4	146.2
979	147.4	146.1	144.5	152.2	149.3	148.1	148.8	152.1	150.7	148.8	150.6	149.4
980	149.3	149.6	149.0	149.5	153.0	148.3	150.3	147.9	148.8	149.5	150.6	148.8
981	149.6	150.8	152.2	152.8	150.2	155.0	159.1	156.1	155.9	157.8	159.2	159.4
982	160.6	159.7	162.2	160.8	163.4	164.4	163.6	163.5	163.4	160.4	160.2	162.3
983	162.8	164.9	167.4	164.9	165.5	166.5	162.2	167.4	169.0	171.7	170.9	170.4
984	175.1	179.8	176.3	178.6	178.9	179.9	180.3	181.4	180.7	183.1	183.6	188.1
985	186.2	183.5	187.5	187.2	187.3	185.4	186.7	189.7	190.4	188.9	188.9	192.8
Meat products (0.523)												
986	146.8	143.8	138.1	122.4	107.3	126.3	130.7	151.5	126.0	142.1	141.9	128.4
987	111.9	110.0	107.1	126.7	119.5	118.8	128.6	129.8	70.0	83.2	164.8	162.2
988	149.8	139.8	123.9	109.3	100.0	87.5	70.8	69.6	83.2	87.4	91.9	91.3
989	92.8	89.1	94.3	91.0	91.0	93.0	97.7	104.0	105.7	111.5	112.1	111.3
990	102.3	104.1	105.5	103.4	100.4	96.5	100.6	95.5	101.2	95.4	97.4	95.4
991	99.7	97.0	91.6	98.4	99.7	103.7	97.1	99.8	95.6	98.1	95.3	90.9
992	103.5	107.7	100.0	112.6	126.2	119.0	118.2	129.8	110.0	123.2	128.1	134.2
993	106.9	118.3	113.3	114.1	110.1	99.6	109.7	117.3	105.3	115.4	115.3	107.1
994	117.1	120.1	123.7	112.6	122.3	124.4	119.8	119.4	134.3	122.0	120.9	125.8
995	132.2	127.4	130.7	129.0	130.1	135.1	137.0	127.4	143.0	133.8	130.7	137.2
996	131.4	132.2	145.1	141.9	131.4	147.5	132.8	128.1	155.7	126.1	131.6	142.3
997	117.9	141.5	147.2	121.0	127.0	159.0	133.2	139.4	117.1	131.5	147.5	148.2
998	145.0	141.8	136.0	137.2	145.7	136.9	147.6	154.8	144.1	158.7	159.0	158.5
999	160.8	159.1	159.5	172.1	170.9	156.7	166.3	165.3	170.0	161.7	159.8	152.9
1000	167.3	159.2	155.4	154.4	158.2	149.3	155.7	151.7	146.0	149.6	145.8	140.5
1001	143.2	145.4	144.4	157.6	149.2	159.0	163.6	158.4	161.2	162.9	159.8	153.2
1002	157.1	159.7	164.8	155.8	158.4	159.0	154.7	156.5	154.4	155.7	157.0	152.1
1003	150.9	158.7	162.7	157.9	167.0	163.8	159.3	161.6	166.3	165.8	168.5	164.3
1004	173.0	177.9	168.8	180.3	176.8	183.8	180.1	186.1	185.8	183.6	184.9	217.1
1005	193.6	186.0	193.0	187.8	192.0	189.7	201.7	198.6	196.7	197.3	193.3	189.0

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Dairy products (1949 percentage weight 0.450)												
1946	83.6	85.3	86.3	84.8	84.1	83.9	82.0	79.9	81.3	80.4	81.7	85.9
1947	87.1	84.9	85.9	88.0	86.2	87.8	88.6	90.1	89.0	89.3	88.2	84.2
1948	82.0	90.6	91.0	94.7	101.7	104.5	108.0	112.7	108.2	105.0	103.6	103.6
1949	100.1	99.6	99.6	99.9	103.0	100.6	100.0	99.5	98.5	100.5	100.3	97.4
1950	97.8	97.8	98.7	97.8	95.1	96.4	97.0	97.9	98.4	98.7	98.9	101.0
1951	101.2	102.4	100.7	104.9	106.0	107.1	107.8	105.6	106.3	104.0	101.6	102.7
1952	100.5	101.0	103.1	101.6	100.9	103.8	102.7	104.6	104.8	103.1	105.0	106.9
1953	109.0	108.0	108.6	109.3	112.3	110.0	110.8	112.3	112.0	114.2	117.2	114.7
1954	117.1	119.2	121.9	121.2	120.3	121.2	121.5	120.8	119.2	120.0	120.5	120.1
1955	120.3	119.2	117.0	118.7	120.8	118.9	120.5	120.8	122.0	124.0	122.6	125.1
1956	128.9	128.8	128.9	134.1	121.8	128.6	132.0	131.1	133.2	134.0	134.4	134.1
1957	133.2	136.7	137.3	138.2	141.4	143.6	141.7	143.7	144.5	143.6	145.1	145.1
1958	146.4	146.2	149.0	149.0	147.3	149.1	149.3	150.6	148.7	149.7	151.3	152.1
1959	149.6	152.0	153.1	152.6	155.0	155.0	155.9	157.4	160.0	157.9	158.6	156.1
1960	162.9	164.1	160.0	163.3	166.7	162.8	161.4	162.6	162.6	165.7	165.0	166.1
1961	167.1	167.8	175.6	166.7	167.3	170.1	173.3	172.0	171.4	174.4	174.5	175.1
1962	170.7	172.8	173.3	176.5	173.1	174.6	173.7	173.8	177.5	171.2	176.5	177.1
1963	180.5	179.7	178.6	178.7	175.0	181.4	181.3	181.0	182.2	181.9	180.5	186.1
1964	185.9	186.0	188.3	188.8	193.5	188.7	190.1	189.0	187.9	192.5	195.3	188.1
1965	193.1	194.3	194.3	193.9	193.6	194.1	191.5	201.7	198.9	197.2	196.9	200.1
Canning and processing (0.453)												
1946	110.4	110.0	107.6	107.2	106.1	105.6	104.8	104.7	105.1	105.1	105.1	104.1
1947	104.6	103.5	102.4	99.7	95.8	95.4	94.3	94.2	94.5	94.6	94.7	94.1
1948	94.1	95.0	99.0	102.3	102.7	105.5	105.0	105.0	104.1	103.7	103.3	100.1
1949	83.0	97.1	95.2	97.5	97.6	101.0	95.8	106.3	106.0	99.1	99.4	99.1
1950	106.3	113.1	99.7	98.4	109.3	110.0	107.9	109.3	106.0	119.7	131.7	124.1
1951	139.9	108.2	122.2	125.6	122.7	110.1	112.2	127.6	121.8	121.9	121.3	144.1
1952	135.6	137.0	133.0	131.9	130.8	132.4	128.3	112.4	107.8	110.7	108.0	102.1
1953	101.7	101.5	109.1	118.5	115.2	121.3	127.9	119.1	118.7	122.3	123.0	117.1
1954	115.8	111.5	136.1	115.8	116.3	122.5	125.4	125.3	135.2	151.4	142.4	131.1
1955	140.4	128.2	124.1	140.5	138.6	151.2	135.9	151.9	144.1	112.8	129.0	132.1
1956	143.8	183.8	148.0	140.4	133.4	128.6	130.2	122.0	117.6	125.9	118.6	152.1
1957	146.9	151.6	152.5	143.6	145.7	143.1	156.1	162.3	154.3	139.2	120.8	115.1
1958	125.3	126.5	138.5	139.9	140.1	141.5	136.7	134.3	146.8	153.7	149.6	137.1
1959	137.3	127.7	135.3	154.5	138.7	151.2	137.3	158.6	146.9	136.3	151.2	157.1
1960	132.9	143.3	134.5	145.5	158.3	141.0	144.0	138.0	139.1	140.3	146.1	146.1
1961	159.4	155.2	153.7	145.8	138.4	154.1	162.1	148.5	144.5	152.9	159.6	163.1
1962	169.8	165.4	165.2	166.7	173.7	172.3	178.3	180.7	175.8	163.0	156.1	177.1
1963	181.0	176.4	180.3	180.2	177.6	180.8	159.2	179.5	182.3	196.4	183.6	169.1
1964	171.7	195.4	188.1	186.8	189.1	187.2	194.2	185.7	188.3	194.7	194.9	194.1
1965	199.2	194.3	205.1	207.3	202.5	195.2	184.5	199.4	200.5	190.9	193.0	213.1
Grain mill products (0.322)												
1946	109.7	114.0	114.2	111.9	112.7	112.4	113.9	110.5	111.4	111.0	114.6	124.1
1947	122.8	115.3	116.1	112.5	116.0	114.9	110.7	112.6	107.0	106.7	103.5	95.1
1948	101.0	101.8	94.0	99.7	97.1	96.5	99.2	95.3	101.3	97.1	97.2	95.1
1949	96.1	92.8	93.7	95.6	98.6	102.4	105.8	104.0	103.5	105.1	102.8	99.1
1950	96.2	101.9	101.4	101.6	98.1	94.7	94.7	98.8	101.9	102.9	104.0	108.1
1951	108.8	110.1	110.4	114.7	114.1	116.1	110.2	111.8	114.9	111.9	113.7	118.1
1952	117.6	112.8	115.9	112.3	116.7	118.5	118.3	115.9	112.9	112.8	115.0	105.1
1953	109.6	112.9	112.7	111.1	116.5	109.4	112.4	104.9	107.0	108.4	107.8	115.1
1954	113.6	112.8	114.0	112.1	109.1	107.9	107.3	112.1	109.0	109.0	108.8	107.1
1955	108.8	109.6	109.5	110.7	109.6	108.2	109.2	109.5	113.9	118.1	114.7	118.1
1956	117.8	117.5	119.1	127.5	121.8	126.4	129.9	124.1	122.9	120.1	123.3	125.1
1957	120.9	123.2	121.8	113.8	115.9	118.4	118.4	121.7	125.6	120.0	123.0	124.1
1958	128.3	127.4	133.9	131.7	140.1	134.6	129.8	137.0	134.0	137.5	148.0	138.1
1959	139.3	141.0	133.0	139.7	139.7	135.8	139.8	139.5	136.2	142.5	138.0	135.1
1960	135.5	133.1	135.4	136.6	136.3	136.9	135.6	134.7	143.1	141.2	136.7	136.1
1961	135.8	139.0	138.5	142.0	141.0	138.8	150.9	148.1	143.4	142.3	146.2	148.1
1962	142.6	138.5	142.2	136.1	140.0	149.0	148.4	140.2	144.4	139.7	138.6	139.1
1963	135.2	139.8	140.5	139.2	141.8	147.2	136.1	143.5	149.5	154.3	161.2	164.1
1964	189.0	185.1	187.3	183.2	184.8	183.6	180.9	188.3	180.6	183.9	182.3	179.1
1965	182.8	182.8	178.4	184.3	183.3	181.9	188.8	187.3	196.1	199.6	199.3	205.1

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Bakery products (1949 percentage weight 0.558)												
1946	103.7	104.0	104.5	104.5	104.6	104.5	104.3	104.3	103.5	103.5	102.9	103.3
1947	103.4	102.3	101.4	100.9	100.5	99.5	99.2	98.7	99.0	99.4	101.2	102.0
1948	101.0	100.1	99.1	97.9	97.0	96.9	97.7	97.5	98.5	100.5	100.6	100.8
1949	99.8	99.6	97.9	97.4	98.4	98.6	100.0	101.1	101.2	101.8	102.1	101.6
1950	99.5	101.0	103.7	103.0	102.8	103.3	102.8	102.6	103.3	103.4	103.9	106.6
1951	108.0	107.0	106.3	107.2	107.4	107.6	108.7	110.3	110.7	111.5	111.8	112.0
1952	111.5	111.6	112.4	112.6	113.7	114.7	115.2	115.7	115.3	116.3	118.0	119.5
1953	119.7	120.4	122.2	122.4	122.8	122.9	122.3	121.8	121.7	122.7	121.6	120.9
1954	122.3	122.5	121.4	122.2	122.5	123.0	121.3	120.2	121.0	123.3	124.7	124.3
1955	123.9	124.0	123.5	123.3	123.6	124.6	124.5	124.7	125.6	126.7	125.0	123.8
1956	125.7	127.1	129.6	131.6	130.9	130.1	131.5	132.6	132.6	132.3	132.3	131.9
1957	131.4	130.5	130.3	130.1	129.3	129.7	129.9	129.9	129.6	128.9	130.2	132.7
1958	134.3	133.5	132.6	132.4	133.4	134.0	133.5	133.6	134.2	134.7	135.0	135.3
1959	137.2	138.7	139.0	139.0	138.9	138.9	139.6	139.5	139.5	140.1	140.5	140.9
1960	139.4	138.7	138.8	139.6	140.1	138.8	138.8	139.0	138.8	138.8	139.0	138.9
1961	138.4	138.7	139.6	139.3	139.2	141.7	143.2	142.0	142.4	143.6	144.0	144.3
1962	143.9	144.7	146.6	148.2	149.3	149.3	148.2	148.2	148.5	147.6	146.8	147.3
1963	147.9	147.6	146.2	145.3	145.5	145.1	146.0	147.7	146.3	145.3	145.8	146.6
1964	148.1	149.0	149.4	150.3	150.1	151.0	151.9	151.3	152.2	153.9	154.1	153.5
1965	153.1	152.7	152.4	151.9	152.0	151.1	151.0	151.7	151.3	150.9	150.8	151.3
Miscellaneous foods (0.590)												
1946	85.8	86.1	85.4	76.6	78.9	83.3	82.9	81.8	82.0	77.9	81.7	87.3
1947	88.5	86.3	90.7	91.8	92.1	92.1	92.6	93.0	94.8	90.8	87.6	89.3
1948	93.5	93.9	91.1	90.0	91.2	91.8	94.9	97.5	98.5	100.3	100.6	103.3
1949	103.7	102.5	103.5	102.6	97.6	98.2	99.2	96.8	99.2	100.6	102.1	101.7
1950	101.5	104.0	105.2	107.9	109.4	107.2	105.8	107.5	105.3	104.7	101.9	104.7
1951	101.3	101.5	100.4	98.1	99.3	99.1	99.5	100.5	100.4	100.9	102.1	104.5
1952	107.7	102.6	106.3	104.5	104.2	109.0	111.5	107.3	108.1	110.1	110.4	108.8
1953	103.6	106.3	106.4	106.6	106.5	107.0	107.6	109.8	110.6	112.6	111.6	108.0
1954	115.8	116.5	115.4	118.1	117.5	116.1	114.4	117.8	116.4	108.3	114.3	114.0
1955	114.6	114.1	114.2	115.6	113.6	112.7	113.6	115.0	113.9	118.1	118.7	120.8
1956	121.9	121.9	122.8	125.4	127.6	128.8	129.3	131.3	131.4	132.0	131.9	132.8
1957	128.2	131.2	131.8	128.4	129.9	131.2	131.3	132.3	134.3	134.4	135.7	136.4
1958	140.1	137.8	139.4	143.4	146.8	147.9	148.9	147.5	147.7	149.2	148.8	151.7
1959	155.8	154.2	143.2	151.7	149.2	148.0	150.4	150.2	148.0	151.6	152.5	150.0
1960	152.7	154.0	163.3	154.0	155.3	157.4	160.9	156.5	160.5	159.0	165.9	160.0
1961	152.7	157.3	159.2	162.1	162.7	161.9	161.3	165.6	167.7	166.5	168.0	169.7
1962	174.4	171.0	174.7	174.0	178.5	177.9	175.3	175.9	175.6	177.8	178.3	175.5
1963	174.8	180.6	187.6	181.3	179.4	177.2	182.2	184.5	183.4	184.5	185.2	189.9
1964	189.3	190.8	184.2	187.3	185.8	189.3	188.7	192.8	191.8	194.0	193.6	194.8
1965	197.7	194.4	201.9	201.1	202.4	201.7	204.1	202.5	204.5	203.7	206.2	206.5
Total beverages (0.918)												
1946	78.4	81.3	84.8	81.9	84.1	84.7	85.8	81.6	82.1	78.7	82.1	85.5
1947	87.9	87.7	89.1	84.5	84.3	85.9	81.8	87.6	87.2	88.4	92.0	89.1
1948	96.6	97.3	88.2	95.0	94.7	93.2	95.0	95.7	95.8	98.3	96.3	94.9
1949	103.1	96.6	100.0	97.3	102.7	98.1	99.4	101.6	100.1	101.1	99.0	102.2
1950	99.6	100.3	94.8	103.7	100.8	108.7	107.8	95.9	101.6	108.1	103.5	100.9
1951	99.7	109.3	118.3	112.6	99.4	99.8	102.7	107.2	108.8	106.6	98.0	103.8
1952	109.5	108.8	119.9	110.5	111.4	112.4	114.7	117.7	116.0	114.1	123.7	125.5
1953	122.0	128.9	123.3	121.7	124.8	123.3	122.0	122.9	127.7	125.6	130.8	133.9
1954	122.1	115.6	126.6	122.0	128.7	126.0	121.4	124.5	118.1	121.4	128.2	120.1
1955	133.0	124.7	120.7	125.4	133.4	130.6	136.9	136.8	130.4	135.6	130.3	123.7
1956	132.0	136.0	138.6	145.5	133.7	143.5	140.9	139.3	145.9	142.5	140.6	150.2
1957	146.9	147.8	149.7	141.6	145.1	151.9	157.9	151.1	150.4	149.4	149.7	149.8
1958	148.3	156.6	154.8	155.1	155.1	150.7	155.2	144.6	140.6	156.2	163.4	156.8
1959	153.6	152.1	155.6	161.5	163.1	162.0	161.5	187.7	164.4	164.7	159.6	161.2
1960	170.3	167.9	164.1	161.5	172.7	164.8	159.4	170.6	163.9	181.3	168.2	160.6
1961	165.8	167.5	166.1	169.5	158.8	166.3	183.5	174.0	179.9	178.2	178.1	179.2
1962	178.9	175.6	183.3	182.3	184.6	195.1	177.0	175.6	185.7	176.8	177.8	189.7
1963	182.4	179.1	192.8	186.7	184.9	196.3	189.3	199.4	190.1	189.9	193.5	187.1
1964	189.3	209.7	197.2	204.1	198.6	197.8	194.7	199.8	198.9	203.3	207.3	208.7
1965	233.4	204.7	202.4	198.5	197.7	200.2	218.6	211.4	217.3	217.7	221.5	228.1

TABLE 1. SEASONALLY ADJUSTED INDEXES of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Carbonated beverages (1949 percentage weight 0.231)												
1946	49.5	52.0	53.8	53.7	53.2	57.6	55.5	55.9	59.1	57.3	59.0	62.4
1947	64.3	65.0	68.5	66.7	69.1	69.3	67.9	73.4	70.0	69.7	77.0	72.6
1948	81.9	83.0	81.1	83.9	92.0	84.8	88.2	89.3	89.0	90.0	90.7	89.5
1949	104.9	101.1	100.6	99.1	103.5	99.1	99.8	99.4	95.5	103.4	98.5	95.9
1950	99.7	100.8	101.1	107.2	102.1	101.3	102.7	102.5	100.5	103.7	100.3	102.3
1951	88.6	92.5	98.8	96.8	97.0	98.4	91.6	95.8	96.4	94.6	91.6	93.7
1952	103.9	101.3	98.1	96.0	94.7	100.6	110.5	104.6	107.0	95.3	105.3	105.8
1953	108.4	103.9	106.2	103.4	111.0	105.1	108.4	107.5	124.0	111.9	112.7	111.2
1954	95.1	113.9	104.9	104.3	108.3	112.7	104.7	105.3	93.7	109.8	110.1	105.1
1955	103.8	105.7	103.4	112.3	112.6	108.9	132.5	128.5	110.9	114.8	107.7	112.8
1956	115.8	112.2	119.2	122.2	115.7	128.1	115.6	121.4	137.0	120.9	136.9	132.8
1957	140.4	138.5	149.9	117.6	147.7	144.4	145.3	143.7	136.1	138.7	141.6	142.7
1958	148.3	147.8	165.4	154.3	143.4	150.7	146.8	172.8	153.2	148.9	151.0	151.5
1959	149.2	141.3	141.3	158.9	150.8	153.5	161.9	176.9	160.9	177.6	151.7	164.5
1960	158.3	169.6	163.2	150.3	168.1	146.6	151.7	155.1	153.5	183.1	170.8	145.6
1961	170.5	161.9	152.8	164.9	135.8	161.5	177.8	176.8	174.9	166.2	164.8	171.4
1962	163.2	173.1	178.9	159.9	178.7	184.5	168.8	164.7	185.6	156.8	173.5	183.7
1963	183.3	159.9	176.5	186.8	172.4	189.5	176.5	187.7	167.4	181.8	189.0	170.2
1964	178.9	184.2	178.6	191.5	173.7	174.9	188.7	175.5	175.3	187.5	186.7	180.7
1965	180.7	206.8	185.3	172.0	189.9	177.7	172.2	186.1	196.1	185.2	187.5	199.7
Breweries (0.463)												
1946	74.3	77.9	78.9	74.5	77.3	75.9	75.8	74.6	79.8	81.5	80.3	84.7
1947	87.4	89.7	89.3	85.2	85.1	87.7	86.2	93.2	93.4	92.4	97.8	95.5
1948	101.2	100.0	87.7	97.4	97.3	99.2	100.4	99.9	98.3	105.8	99.5	94.4
1949	100.6	93.1	96.0	90.3	99.9	97.7	102.4	104.6	104.2	102.1	102.5	106.7
1950	102.2	101.2	96.3	105.7	97.0	105.8	99.0	85.6	98.5	111.9	98.6	94.4
1951	97.4	106.2	100.6	103.9	97.1	98.0	101.4	100.9	104.1	100.6	94.5	103.3
1952	103.5	103.4	125.7	110.6	113.7	116.5	113.6	119.4	116.5	116.0	128.2	128.5
1953	117.9	132.2	125.4	119.4	119.4	121.5	121.1	122.0	122.0	123.2	131.6	131.1
1954	127.9	110.2	124.4	122.9	130.5	121.1	119.5	125.6	118.2	119.4	124.4	120.0
1955	136.9	128.1	119.5	121.5	136.0	130.0	130.5	136.1	131.9	139.4	127.2	117.7
1956	127.7	135.4	134.8	142.5	129.8	137.3	141.1	127.5	134.0	131.3	131.3	137.7
1957	142.9	142.8	144.9	145.8	136.8	144.1	145.3	144.1	147.5	141.7	140.2	143.3
1958	141.2	157.1	139.2	142.9	144.5	139.9	144.6	121.2	102.5	145.5	152.6	148.8
1959	134.4	134.0	150.3	144.5	148.7	156.8	144.2	174.0	153.7	147.1	154.9	146.5
1960	165.4	151.7	154.5	152.6	159.4	151.8	154.0	153.0	147.1	161.6	154.9	154.4
1961	156.0	154.1	155.6	154.7	152.7	152.1	158.0	164.5	165.6	167.7	161.6	160.0
1962	159.7	163.3	160.7	174.4	174.8	172.8	175.5	160.0	170.2	169.7	163.4	181.1
1963	165.8	168.9	172.9	171.0	165.8	177.3	179.2	178.7	186.4	173.5	176.8	178.8
1964	166.6	202.7	190.3	185.4	178.7	183.4	179.0	187.6	180.6	184.6	191.3	195.5
1965	249.4	177.2	188.3	184.6	196.2	186.1	187.8	187.5	182.7	191.1	198.2	188.8
Distilleries (0.203)												
1946	117.7	119.7	128.7	127.8	132.8	134.2	142.2	124.4	113.1	94.4	110.4	112.2
1947	114.1	107.3	110.8	101.0	97.5	97.9	84.7	89.9	89.7	98.8	96.7	93.3
1948	102.8	107.8	96.9	103.4	92.5	89.8	90.7	94.0	97.7	91.3	95.3	102.2
1949	107.2	99.5	108.7	111.1	108.9	98.3	91.5	97.6	93.3	98.2	91.6	100.0
1950	93.4	97.1	83.5	93.6	106.6	123.0	133.3	110.4	112.0	103.3	117.5	112.2
1951	117.7	136.5	182.8	152.8	108.1	106.4	120.7	137.0	136.7	134.1	113.8	116.6
1952	130.6	131.2	134.1	128.5	126.9	118.7	124.5	130.9	126.1	132.7	137.1	145.5
1953	149.0	153.0	140.3	150.9	156.3	151.6	142.6	145.8	148.5	151.8	153.5	168.8
1954	141.6	130.5	157.6	140.5	148.8	153.2	144.9	144.5	148.1	142.3	159.4	137.7
1955	159.7	140.8	144.6	150.3	154.6	159.3	159.7	150.9	148.7	154.8	165.2	151.1
1956	162.3	166.6	171.6	182.3	164.1	178.2	171.4	189.1	190.3	189.1	167.4	202.2
1957	161.2	171.6	162.3	159.0	161.0	179.4	202.1	176.7	174.1	182.8	182.1	172.2
1958	165.1	166.6	178.7	184.9	193.6	174.7	189.5	165.0	211.9	183.4	205.1	183.3
1959	202.8	206.1	184.5	207.0	212.4	185.1	201.1	235.3	193.2	196.9	179.0	190.0
1960	195.7	202.9	187.1	194.1	208.9	215.4	179.5	224.2	212.7	223.8	196.5	191.1
1961	183.0	204.9	204.4	207.0	192.8	203.2	247.9	195.2	221.1	213.0	232.2	233.3
1962	242.3	208.3	242.5	228.6	215.2	259.8	189.9	223.7	221.9	219.8	213.5	215.5
1963	220.7	223.8	258.7	223.2	243.5	248.6	229.3	263.0	224.8	236.5	239.0	229.9
1964	252.4	258.2	235.4	263.6	275.6	259.4	237.4	258.0	259.4	268.8	261.7	323.3
1965	262.1	267.2	256.8	262.2	211.2	258.6	330.6	293.7	323.1	309.3	311.4	326.6

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total tobacco and tobacco products (1949 percentage weight 0.248)												
1946.....	102.0	86.5	81.5	81.8	78.3	88.7	104.3	96.4	91.2	91.9	93.8	93.1
1947.....	90.9	94.4	99.1	90.7	94.1	85.8	88.2	88.7	94.8	97.9	97.9	94.8
1948.....	94.0	94.4	84.8	95.1	88.8	91.6	93.8	91.1	95.0	96.9	96.9	97.4
1949.....	96.8	90.3	91.8	96.4	98.3	98.3	96.0	106.3	107.6	104.5	106.3	108.0
1950.....	100.4	109.1	105.9	102.8	98.9	102.9	102.9	99.1	105.2	104.8	97.4	103.0
1951.....	109.1	113.1	108.9	101.0	95.0	92.1	97.9	69.5	60.0	123.0	99.1	81.4
1952.....	100.1	91.8	96.1	106.8	117.3	122.4	136.5	118.1	118.0	100.7	116.5	110.9
1953.....	98.2	86.7	140.2	129.4	124.7	116.8	108.2	134.1	133.6	122.6	118.3	127.3
1954.....	119.3	129.7	121.1	122.1	124.2	128.8	113.7	140.9	123.2	131.5	132.1	132.3
1955.....	133.8	136.0	134.1	132.3	137.4	155.4	131.8	136.7	142.3	148.2	144.7	149.9
1956.....	142.9	144.9	145.2	162.8	150.2	151.1	149.5	151.8	151.0	158.3	160.7	160.2
1957.....	170.3	160.7	165.5	170.6	170.4	163.3	177.4	166.5	169.0	162.2	157.1	163.7
1958.....	167.6	175.7	178.8	173.2	178.0	180.7	202.2	183.5	188.0	174.5	189.2	176.2
1959.....	178.3	194.6	185.8	189.1	187.5	186.2	193.2	181.0	188.3	204.7	199.1	202.0
1960.....	198.2	187.8	197.0	180.5	194.8	191.6	185.6	202.1	208.3	204.4	201.8	215.9
1961.....	205.1	206.0	202.4	209.3	205.5	218.5	206.3	215.4	210.0	216.6	213.5	208.8
1962.....	224.1	217.0	227.0	214.8	219.2	222.2	219.8	218.0	222.3	221.2	224.9	219.9
1963.....	223.3	239.7	235.2	229.1	233.1	223.3	238.4	218.3	197.6	214.3	223.8	226.4
1964.....	227.8	217.0	197.1	230.9	226.5	233.3	233.4	244.4	242.8	242.6	240.7	239.9
1965.....	238.0	244.7	241.3	238.2	243.9	240.4	233.8	240.3	242.7	247.7	246.7	250.0
Total rubber products (0.430)												
1946.....	98.3	104.9	115.7	115.4	114.9	104.8	35.2	42.0	37.8	46.5	114.1	112.2
1947.....	122.4	121.3	127.9	127.0	133.1	128.3	132.4	137.4	135.4	123.8	125.8	119.9
1948.....	126.2	123.9	120.7	120.2	116.0	119.1	112.2	105.3	107.4	114.4	113.7	111.6
1949.....	109.8	104.0	102.5	99.1	103.1	99.6	93.3	94.6	95.6	100.1	96.6	98.5
1950.....	102.5	104.9	103.5	106.5	103.9	115.8	129.3	122.6	125.5	128.1	132.1	138.7
1951.....	130.5	132.8	135.4	147.3	132.6	113.7	130.8	124.4	120.8	109.4	104.6	111.4
1952.....	108.1	107.1	120.7	117.6	115.0	109.4	103.3	114.3	116.3	123.3	145.3	119.1
1953.....	131.4	137.5	135.3	132.2	137.9	140.5	137.2	141.9	131.3	133.0	132.0	125.3
1954.....	122.0	125.5	120.4	113.5	120.7	115.8	110.7	113.7	116.4	115.6	115.2	117.8
1955.....	128.0	132.6	132.4	133.0	129.8	140.3	134.8	136.4	146.1	148.7	152.3	153.1
1956.....	149.9	142.0	148.4	167.6	159.4	154.0	166.7	166.7	165.0	163.3	159.0	162.6
1957.....	165.9	161.4	162.2	146.6	152.6	150.1	142.6	141.4	142.6	147.0	147.0	139.8
1958.....	130.6	131.4	133.0	138.2	146.9	156.5	161.5	160.7	163.2	158.0	167.4	171.5
1959.....	172.2	186.0	177.3	183.1	184.5	176.6	172.6	172.5	171.5	170.2	169.7	166.8
1960.....	184.5	172.4	168.7	155.2	145.5	148.7	152.0	152.4	148.7	146.9	149.5	148.8
1961.....	145.1	136.0	144.7	154.6	154.1	154.5	166.8	163.2	164.2	173.8	165.7	184.5
1962.....	170.4	167.5	168.3	174.5	179.5	183.6	190.6	176.5	196.6	193.7	194.9	192.6
1963.....	201.5	199.0	215.0	195.5	207.7	215.0	206.1	212.9	200.0	209.9	211.8	215.2
1964.....	222.5	225.9	228.8	241.7	227.0	235.0	222.5	227.4	237.2	227.4	239.0	239.4
1965.....	230.0	232.8	227.8	225.2	249.9	207.2	226.3	237.2	241.3	251.3	247.1	261.5
Total leather products (0.508)												
1946.....	121.0	116.4	122.6	122.4	125.3	130.3	134.6	133.6	126.1	123.1	119.6	118.2
1947.....	122.2	119.2	118.5	116.6	115.6	109.0	109.2	100.2	99.0	96.3	101.5	98.3
1948.....	97.8	100.6	95.7	96.5	92.9	91.4	90.8	95.5	93.2	98.2	95.6	98.2
1949.....	97.3	97.4	98.1	98.7	102.5	105.5	108.4	100.3	101.4	99.2	97.2	96.9
1950.....	94.8	94.2	92.3	92.3	89.3	90.5	93.3	95.2	99.6	101.1	101.4	104.8
1951.....	101.8	99.7	99.5	102.5	96.2	89.8	84.9	86.3	82.6	80.2	81.9	77.2
1952.....	82.8	88.2	93.7	93.2	98.9	102.5	104.2	105.6	105.0	106.9	112.3	108.4
1953.....	109.2	111.7	109.2	109.3	113.9	104.7	109.4	105.9	99.8	101.9	97.6	98.7
1954.....	99.0	98.3	98.6	100.3	97.9	99.3	100.5	99.4	99.0	95.3	94.0	97.1
1955.....	101.5	99.9	100.8	102.6	104.2	106.3	104.3	105.3	111.3	114.2	113.0	117.9
1956.....	117.6	116.5	115.2	117.2	114.5	118.4	113.8	115.3	116.5	114.9	119.0	115.2
1957.....	115.1	114.9	118.6	114.0	116.2	113.5	113.5	113.7	113.5	111.8	113.4	115.4
1958.....	112.5	111.4	111.7	109.8	114.3	115.1	116.0	119.7	119.4	120.6	120.8	116.9
1959.....	119.7	120.9	118.2	126.4	127.6	124.3	125.0	122.5	118.2	120.2	116.7	119.2
1960.....	118.6	115.4	113.8	111.6	107.6	108.0	110.4	114.3	120.0	116.4	115.1	117.9
1961.....	117.0	121.2	122.3	127.0	125.2	128.0	129.6	126.7	131.1	130.6	132.4	133.4
1962.....	132.9	130.4	131.5	130.5	129.8	132.5	133.9	130.4	129.3	129.3	130.8	128.9
1963.....	133.7	130.6	131.5	129.2	130.9	134.1	127.2	130.8	132.6	133.7	136.3	133.1
1964.....	132.6	137.8	135.5	137.6	139.6	137.8	139.7	139.2	137.1	136.9	136.5	137.9
1965.....	137.4	133.9	135.3	133.8	132.8	132.1	132.5	135.3	136.8	137.5	136.7	138.5

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Leather boots and shoes (1949 percentage weight 0.307)												
1946	118.8	112.7	118.1	115.3	119.2	126.5	121.6	122.0	118.5	118.0	115.8	114.9
1947	110.7	109.6	106.9	105.6	106.5	100.3	102.3	96.9	92.7	89.1	95.0	91.4
1948	91.6	93.2	90.0	93.1	87.4	84.9	85.3	90.2	89.8	97.5	95.0	98.0
1949	96.5	96.0	97.0	99.4	104.0	107.9	107.2	101.9	101.7	99.1	95.5	96.0
1950	92.5	92.7	90.5	89.0	85.3	88.3	92.4	93.0	98.7	101.6	102.5	103.8
1951	100.6	99.0	99.6	105.5	99.3	92.6	87.6	91.6	87.7	83.5	84.3	80.2
1952	88.8	94.5	99.2	98.4	104.7	106.5	106.6	107.3	106.9	112.7	117.3	112.4
1953	112.9	114.7	113.0	114.2	120.8	107.8	113.0	111.2	102.3	104.4	101.6	103.6
1954	103.8	104.3	104.4	104.6	100.1	101.7	106.9	102.6	102.2	98.0	94.8	97.3
1955	103.2	100.5	100.9	103.4	104.8	108.7	102.8	104.9	112.4	114.4	112.9	118.7
1956	118.6	116.6	114.5	117.3	114.1	119.1	113.3	116.6	119.3	116.5	121.9	118.6
1957	118.4	117.3	122.1	118.4	122.6	118.2	120.1	118.4	117.6	115.7	118.1	116.1
1958	113.0	115.7	117.2	113.2	117.8	117.5	120.5	124.0	123.1	125.0	125.8	122.0
1959	125.7	129.7	124.0	133.5	135.7	133.0	133.3	129.7	125.3	128.9	124.4	128.7
1960	128.6	122.5	121.7	119.5	114.2	114.6	113.4	122.1	130.0	125.1	120.5	124.9
1961	122.1	128.8	126.7	132.9	128.6	132.4	137.4	131.7	135.5	135.1	137.7	138.7
1962	137.0	135.0	135.4	135.5	136.5	139.4	140.3	135.3	134.4	131.2	134.4	130.2
1963	138.9	132.7	134.8	129.9	132.7	135.2	128.8	132.7	135.9	137.2	140.4	134.9
1964	131.8	138.8	136.2	137.9	139.7	137.8	138.5	140.3	134.9	135.0	135.0	137.5
1965	137.1	132.1	133.5	132.4	130.6	129.2	131.6	133.1	137.0	139.1	137.0	139.3
Total textiles (1.623)												
1946	89.7	89.9	89.6	88.8	89.3	84.8	85.0	88.3	88.9	90.0	88.9	90.3
1947	88.6	92.6	96.6	93.8	96.5	95.2	94.8	96.7	94.2	94.2	93.0	91.6
1948	95.2	95.3	92.7	95.3	97.6	97.7	100.7	99.8	97.5	98.6	98.9	99.4
1949	101.7	99.1	97.8	98.9	99.4	100.2	103.8	102.4	97.2	100.8	99.5	101.0
1950	102.2	105.2	106.3	107.9	107.7	110.6	117.0	111.0	120.4	117.1	120.9	124.3
1951	117.7	122.1	121.7	127.8	124.0	129.2	108.0	110.2	110.2	100.5	101.6	104.8
1952	103.8	99.4	101.5	96.0	97.0	96.8	106.3	105.1	103.7	115.4	117.0	112.0
1953	117.7	117.1	114.8	121.9	118.5	112.3	113.9	110.0	108.8	104.0	101.0	92.9
1954	93.2	93.4	97.0	92.0	98.7	99.0	98.5	103.6	106.8	105.3	104.6	110.3
1955	113.5	115.7	116.2	117.8	120.4	121.1	116.2	121.5	119.3	124.1	124.0	130.0
1956	123.1	124.3	125.6	125.6	117.4	126.6	123.5	117.8	124.5	125.0	125.7	132.3
1957	129.1	134.3	129.2	126.0	125.3	123.9	126.9	126.1	123.9	119.2	126.5	114.2
1958	111.4	111.6	110.6	114.2	118.6	120.5	122.3	126.2	127.0	129.9	133.0	129.9
1959	132.6	135.8	133.9	141.4	138.2	136.4	137.5	142.3	137.1	138.0	136.6	133.4
1960	143.6	138.3	145.7	138.2	139.1	138.0	132.2	135.2	135.6	139.0	137.7	142.9
1961	144.2	143.1	145.0	144.6	148.2	152.3	157.8	153.1	157.8	157.0	159.4	165.7
1962	161.8	165.5	163.9	159.7	168.1	167.7	176.1	163.7	170.1	171.6	175.5	170.0
1963	175.2	175.3	180.6	178.5	183.3	186.7	179.2	191.5	192.0	195.0	194.3	200.0
1964	197.3	197.2	198.1	211.0	198.7	203.2	204.3	206.0	204.7	205.0	209.7	204.5
1965	208.9	215.7	208.7	204.1	219.6	216.8	223.4	226.5	235.2	230.4	222.0	235.4
Cotton goods (0.507)												
1946	93.8	94.7	92.8	88.8	89.0	73.0	73.0	83.9	86.9	91.7	88.3	91.8
1947	80.7	94.0	105.9	96.0	102.6	99.7	99.1	105.4	98.0	95.8	91.7	87.7
1948	95.5	97.7	91.2	100.1	104.8	104.8	110.8	110.5	105.7	106.1	107.0	108.3
1949	105.4	103.1	100.5	101.6	95.3	96.4	95.4	97.5	94.1	100.9	100.3	107.0
1950	105.5	108.6	107.4	110.5	116.8	119.8	136.5	110.4	123.4	117.2	122.6	123.0
1951	112.3	120.4	121.8	129.8	129.2	134.1	104.4	103.5	106.0	102.0	96.4	87.4
1952	90.6	86.3	89.7	74.6	73.9	72.5	89.8	91.6	89.2	104.9	99.0	101.2
1953	104.6	100.2	91.1	105.3	97.5	95.0	91.7	88.3	92.0	79.9	82.3	74.7
1954	71.9	78.4	87.0	75.0	84.1	76.8	82.3	88.6	91.1	89.3	86.0	99.9
1955	93.5	98.6	99.5	100.3	108.5	107.4	98.5	103.7	100.7	105.9	102.5	107.4
1956	104.8	102.5	100.5	108.2	90.6	102.1	99.5	105.4	102.0	107.9	109.7	105.5
1957	107.8	115.1	102.2	100.9	100.6	106.1	114.3	106.6	101.9	101.1	105.2	94.7
1958	95.1	91.6	90.1	91.3	93.6	94.7	93.0	99.4	106.6	99.2	103.2	98.6
1959	103.9	109.3	109.8	114.5	107.9	106.7	93.9	104.8	97.7	97.2	94.4	95.6
1960	97.5	95.7	103.5	97.9	100.8	98.9	97.3	97.4	95.8	100.1	101.7	108.2
1961	106.7	103.1	101.6	101.8	109.1	110.7	117.3	112.3	115.7	120.2	119.5	121.8
1962	120.4	124.1	126.3	123.2	124.1	114.4	124.9	111.2	119.5	121.1	118.4	116.2
1963	116.9	115.5	119.3	119.6	120.7	133.1	122.7	131.7	133.8	133.9	136.9	142.5
1964	136.5	139.0	129.6	155.2	137.6	143.2	142.3	146.7	143.8	142.2	144.3	135.4
1965	146.2	156.8	153.2	130.3	148.6	141.9	149.8	151.3	167.6	151.2	140.0	161.3

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Woollen goods (1949 percentage weight 0.300)												
1946	108.1	108.3	108.6	108.7	108.7	108.6	108.3	108.0	107.6	107.3	107.1	106.9
947	112.5	111.9	111.9	111.8	112.4	111.9	111.6	111.6	109.7	109.5	108.6	108.4
948	109.7	107.8	107.5	107.4	108.9	107.6	108.2	107.8	103.4	103.8	102.3	102.0
949	108.4	102.1	100.1	100.7	103.4	101.1	104.3	105.5	94.1	95.8	92.7	93.2
950	91.8	94.7	98.2	103.0	97.4	102.4	105.0	102.3	115.0	111.2	112.3	114.2
951	111.7	110.0	106.0	118.6	95.5	95.1	76.1	89.6	87.1	79.0	82.3	90.5
952	78.1	83.8	84.8	74.9	80.8	80.7	79.1	73.4	74.3	81.7	87.1	84.6
953	91.5	94.5	94.3	94.9	102.2	88.7	103.1	94.4	85.0	85.2	77.2	67.7
954	72.3	63.0	62.9	62.7	65.7	70.6	68.9	75.2	80.2	79.8	77.5	85.3
955	87.4	85.6	87.2	89.0	89.1	88.0	83.7	89.0	92.0	96.1	96.1	98.7
956	96.5	99.4	96.9	100.6	94.0	98.8	95.5	80.5	91.7	87.7	88.0	100.6
957	88.1	97.7	104.3	91.3	91.1	97.3	92.3	86.4	81.4	74.1	81.4	72.1
958	73.4	71.9	72.4	73.3	79.9	68.1	71.9	77.2	73.0	80.8	84.5	76.0
959	78.2	86.5	76.7	84.7	90.9	84.0	87.5	90.5	93.3	86.6	87.6	85.7
960	98.1	83.8	89.7	79.0	72.2	73.1	68.9	80.8	75.4	79.4	76.3	80.1
961	79.0	78.5	82.2	79.3	77.8	87.1	85.9	77.7	83.3	79.2	84.3	83.9
962	78.9	82.0	79.3	90.0	84.6	87.8	92.8	86.7	91.6	86.3	86.3	87.9
963	85.0	90.4	87.9	72.8	95.4	96.8	91.1	96.0	89.5	97.2	96.4	94.6
964	99.1	96.1	93.3	102.2	92.9	83.8	91.6	88.0	84.4	88.5	87.0	86.5
965	88.3	84.9	88.7	78.7	89.2	90.2	88.7	91.1	98.2	93.0	86.1	91.6
Synthetic textiles and silk (0.429)												
46	68.8	68.9	69.3	69.7	70.1	70.5	70.8	71.2	71.9	72.7	73.5	74.3
47	75.7	75.3	75.3	75.8	76.8	77.1	77.8	77.2	77.5	78.8	79.4	80.0
48	86.3	84.5	84.0	84.4	86.4	86.7	88.6	86.0	85.0	87.6	88.0	87.5
49	94.9	92.6	92.8	95.9	105.1	108.4	117.8	106.8	98.3	102.2	98.8	95.5
50	102.6	107.4	110.5	109.5	105.1	107.8	109.0	117.8	126.4	122.0	128.0	139.4
51	126.8	135.0	136.3	141.2	145.0	161.3	130.7	131.2	136.3	122.4	119.5	134.5
52	135.3	117.9	117.9	119.4	117.2	114.9	131.1	127.5	122.9	142.3	149.9	129.8
53	141.9	141.1	141.3	150.2	142.0	131.5	133.7	130.1	128.3	125.5	118.1	101.9
54	103.2	105.0	110.0	106.4	117.4	123.8	114.8	121.3	126.7	123.0	121.4	126.2
55	148.4	144.7	139.6	143.4	141.5	144.7	140.0	148.9	139.6	146.6	151.0	165.4
56	143.3	148.0	157.3	145.3	139.3	156.4	149.3	132.2	154.6	150.9	148.1	166.2
57	159.1	163.7	155.2	155.3	155.3	139.7	143.8	153.6	155.9	145.2	163.2	136.7
58	126.7	133.5	130.2	140.5	147.7	160.7	166.4	168.5	164.8	177.7	180.7	178.8
59	180.2	179.2	177.4	193.1	182.8	180.7	196.5	200.0	186.8	195.3	194.3	183.0
60	209.6	201.5	216.4	202.8	208.5	207.5	190.8	192.8	199.7	204.4	199.1	207.9
61	215.1	214.2	218.8	217.8	222.9	229.1	241.9	235.4	243.5	236.9	241.7	261.9
62	251.1	257.9	250.7	229.2	261.8	266.4	277.7	251.7	263.0	268.7	286.3	266.5
63	287.2	284.8	301.0	302.1	301.6	297.7	284.8	316.4	318.5	323.1	315.6	329.2
64	318.9	315.2	331.5	343.7	324.1	340.2	340.1	344.1	344.5	344.4	362.0	353.6
65	356.7	373.9	346.8	361.5	390.9	388.2	403.9	409.7	417.0	419.9	403.7	424.4
Total clothing (1.801)												
6	94.9	94.8	94.6	94.7	94.8	95.1	95.3	95.5	95.7	95.7	95.8	95.7
7	93.3	92.9	92.8	92.8	92.5	92.1	91.7	91.4	91.4	91.3	92.2	92.5
8	95.7	96.4	96.6	96.7	96.9	97.2	97.8	98.3	98.5	98.8	99.0	99.5
9	101.6	101.7	100.7	100.1	98.0	98.8	100.4	100.6	100.0	99.3	99.3	99.3
10	99.2	98.5	99.2	98.6	99.1	102.2	98.6	99.3	101.7	104.4	106.0	110.0
11	106.8	105.4	104.6	106.2	105.7	103.0	102.2	100.0	96.6	93.3	93.7	92.0
12	97.2	102.0	105.4	108.0	110.7	111.8	112.6	114.4	117.3	118.5	119.7	116.2
13	119.4	118.5	118.4	117.9	116.9	114.8	113.4	112.1	111.7	108.8	106.3	106.9
14	107.7	108.5	109.3	106.0	101.8	107.5	110.3	111.3	110.0	111.0	110.1	114.8
15	110.0	110.3	109.3	111.3	112.3	113.1	114.1	116.3	118.1	120.5	122.1	125.4
16	123.6	123.7	118.7	125.5	125.8	125.1	123.2	122.5	125.9	124.8	125.6	121.1
17	126.3	126.6	128.3	125.1	124.5	125.4	126.1	125.6	121.1	120.8	120.2	119.7
18	118.3	117.3	119.8	120.3	121.0	121.2	123.2	123.6	122.4	124.0	124.7	124.1
19	127.4	129.0	126.1	128.2	130.9	129.9	128.2	128.0	134.0	129.7	128.7	129.3
20	128.5	127.3	127.6	126.9	124.8	125.5	127.6	128.8	127.7	129.6	129.7	132.3
21	130.1	131.4	130.5	132.6	132.8	135.8	134.6	135.9	137.9	137.8	138.5	140.6
22	137.9	138.5	142.6	139.3	141.6	143.1	144.4	143.2	144.7	143.7	143.8	139.5
23	144.9	145.7	147.7	149.7	149.6	149.1	150.0	151.6	152.7	154.4	155.2	153.2
24	160.0	161.8	157.8	161.9	164.0	163.2	163.1	164.6	165.1	164.8	166.0	169.6
25	165.8	165.6	169.7	167.8	168.5	170.4	172.3	171.9	172.1	175.2	176.5	179.9

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946-Dec. 1965 — Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total paper products (1949 percentage weight 2.649)												
1946	75.7	77.0	77.5	78.6	79.7	80.3	81.2	82.4	83.5	84.3	85.2	86.2
1947	88.1	86.8	88.5	88.0	87.9	88.9	89.2	89.9	89.6	89.7	91.0	91.4
1948	90.8	92.9	93.6	95.8	96.2	95.5	96.0	95.8	95.3	95.7	96.3	95.0
1949	101.1	100.4	99.7	99.3	99.3	98.9	96.8	99.3	99.7	101.1	101.7	101.9
1950	102.8	102.8	104.6	105.2	105.9	108.4	109.7	108.8	112.1	112.3	112.1	114.2
1951	113.8	114.8	115.2	118.9	118.3	118.0	118.7	119.3	116.8	116.8	116.8	116.8
1952	116.7	116.3	116.0	109.6	107.4	108.8	109.2	111.9	111.6	112.2	113.9	113.5
1953	114.0	112.4	117.6	117.2	118.7	118.0	119.9	118.2	119.6	119.9	120.7	121.6
1954	120.5	121.5	120.0	121.3	121.5	123.7	122.3	123.3	123.6	124.1	123.0	121.4
1955	123.1	124.0	123.9	126.6	125.8	124.7	126.2	127.2	128.1	130.5	132.3	133.6
1956	136.5	134.9	134.7	135.7	135.6	139.0	138.4	138.0	138.2	136.4	136.3	138.0
1957	137.4	139.5	142.2	136.6	137.3	136.8	135.5	137.2	133.9	130.4	128.2	116.8
1958	121.8	130.2	132.1	133.1	133.5	132.9	134.2	135.3	135.8	138.8	137.5	134.9
1959	137.5	139.0	138.5	142.4	143.3	142.7	143.4	143.3	144.5	147.6	148.1	150.4
1960	149.5	150.9	150.2	147.6	150.5	150.9	151.3	151.7	152.0	151.6	153.6	151.2
1961	152.8	152.3	152.0	155.8	155.4	157.5	158.3	158.0	156.8	159.3	159.3	159.9
1962	160.5	162.3	163.3	162.9	162.1	164.9	165.1	164.7	165.9	165.2	164.2	162.2
1963	164.0	158.9	166.2	165.3	170.8	169.9	169.7	172.0	174.4	173.1	175.5	180.8
1964	180.4	183.9	182.3	186.9	181.6	183.8	185.7	187.6	188.7	189.6	193.7	192.7
1965	193.1	194.5	196.0	193.0	197.0	198.4	199.3	200.6	200.0	203.1	200.5	204.6
Pulp and paper (2.108)												
1946	75.4	77.0	77.2	78.4	79.2	79.6	80.4	81.6	82.7	83.9	84.7	85.4
1947	87.6	85.9	87.7	87.0	87.1	88.8	89.4	90.8	90.6	90.6	91.6	91.6
1948	90.1	92.2	93.0	96.3	97.3	96.7	97.1	96.7	95.6	95.7	96.2	94.9
1949	102.3	101.8	100.9	100.6	100.1	99.3	96.5	98.7	98.6	100.4	100.4	100.3
1950	102.1	102.3	104.2	104.6	105.9	108.2	109.6	108.8	112.8	112.1	112.1	114.4
1951	113.4	114.4	114.4	118.8	118.7	119.2	120.3	121.1	118.4	118.6	119.2	119.3
1952	118.8	118.6	118.7	110.7	107.6	109.4	109.4	112.4	111.2	112.0	113.9	113.1
1953	113.8	110.6	117.1	116.9	118.4	117.0	119.6	117.5	119.2	119.3	120.0	120.7
1954	119.9	121.0	119.2	121.3	121.3	124.2	122.2	123.0	123.8	124.8	123.0	121.5
1955	122.8	123.8	123.6	126.7	125.7	122.9	124.5	125.9	126.6	129.0	131.4	132.8
1956	135.4	133.5	134.0	134.6	134.3	138.6	138.2	138.1	138.1	135.8	135.4	137.3
1957	136.4	138.5	139.5	135.1	135.7	135.1	133.4	135.1	131.1	127.2	124.1	109.2
1958	115.4	126.5	129.0	129.5	128.9	128.4	129.8	131.1	131.9	134.4	133.4	131.3
1959	134.0	135.3	133.0	138.4	140.5	139.7	140.5	140.2	141.1	145.0	145.4	147.9
1960	147.8	146.8	150.1	146.5	148.9	150.0	150.1	150.6	150.5	149.9	152.9	149.7
1961	152.0	153.2	151.6	154.7	153.5	154.4	155.9	154.8	155.4	157.3	156.8	157.9
1962	158.6	160.5	159.6	158.9	158.9	161.6	161.4	161.3	163.3	162.5	160.8	157.3
1963	158.5	154.0	162.3	160.7	166.4	165.3	165.1	167.4	170.1	168.5	171.3	177.1
1964	174.9	176.4	176.2	183.7	178.2	179.8	182.6	184.9	184.8	185.1	189.5	187.2
1965	189.6	191.4	192.1	187.4	192.1	193.4	193.2	193.6	192.8	196.8	193.2	197.8
Total printing, publishing and allied industries (1.273)												
1946	72.2	73.1	73.2	74.5	74.5	75.2	77.4	79.3	81.3	80.9	81.0	80.0
1947	82.3	80.5	83.3	82.3	82.1	83.6	83.6	84.0	82.6	83.6	86.7	87.8
1948	87.5	90.0	89.8	89.8	92.9	93.1	92.6	94.6	95.1	96.8	93.4	95.0
1949	96.8	98.5	97.6	100.7	102.1	103.4	100.5	101.0	100.2	97.8	99.9	101.5
1950	106.8	106.1	107.2	109.6	106.8	108.8	111.4	104.7	112.3	114.6	114.0	114.9
1951	110.4	112.3	113.0	110.0	113.9	111.0	113.6	115.3	114.1	115.4	112.6	112.5
1952	111.7	112.2	113.1	112.7	112.6	114.0	114.3	116.4	113.0	113.8	118.6	124.8
1953	120.9	123.2	126.5	123.8	124.7	125.4	124.5	125.3	125.9	128.9	129.4	128.9
1954	132.6	128.4	129.5	132.4	134.1	137.1	133.1	136.6	141.7	145.4	139.1	136.0
1955	136.3	139.5	139.5	138.6	143.9	140.2	142.9	141.6	142.0	144.5	148.5	149.1
1956	156.1	149.5	148.7	159.0	151.8	156.7	159.1	164.4	161.0	161.3	159.5	162.9
1957	162.7	166.7	163.6	163.9	160.0	165.5	163.5	158.2	159.2	153.1	147.7	154.6
1958	148.2	155.8	157.8	153.3	159.1	154.0	155.4	159.5	156.2	155.6	169.1	160.6
1959	158.4	159.7	166.9	170.7	168.4	168.8	168.5	170.9	174.3	177.7	174.5	175.2
1960	180.5	178.3	170.2	170.7	173.5	182.8	174.9	172.3	174.9	178.2	181.0	177.5
1961	181.9	176.0	180.2	178.1	176.3	174.0	178.4	181.2	184.2	183.9	183.0	187.4
1962	183.6	190.1	190.2	186.9	190.6	189.0	193.7	191.9	187.1	188.3	191.8	191.7
1963	190.6	188.7	192.9	190.9	191.8	196.2	196.4	198.3	201.4	198.6	196.1	201.3
1964	203.5	200.8	203.5	212.4	218.3	211.7	202.9	194.5	207.7	212.3	210.5	206.6
1965	213.3	220.3	216.9	219.0	219.4	219.3	224.3	227.2	218.8	228.7	234.8	238.0

CHART-11

CHEMICALS, PRODUCTS OF PETROLEUM AND COAL AND RUBBER PRODUCTS,
BY MONTHS, 1949-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)

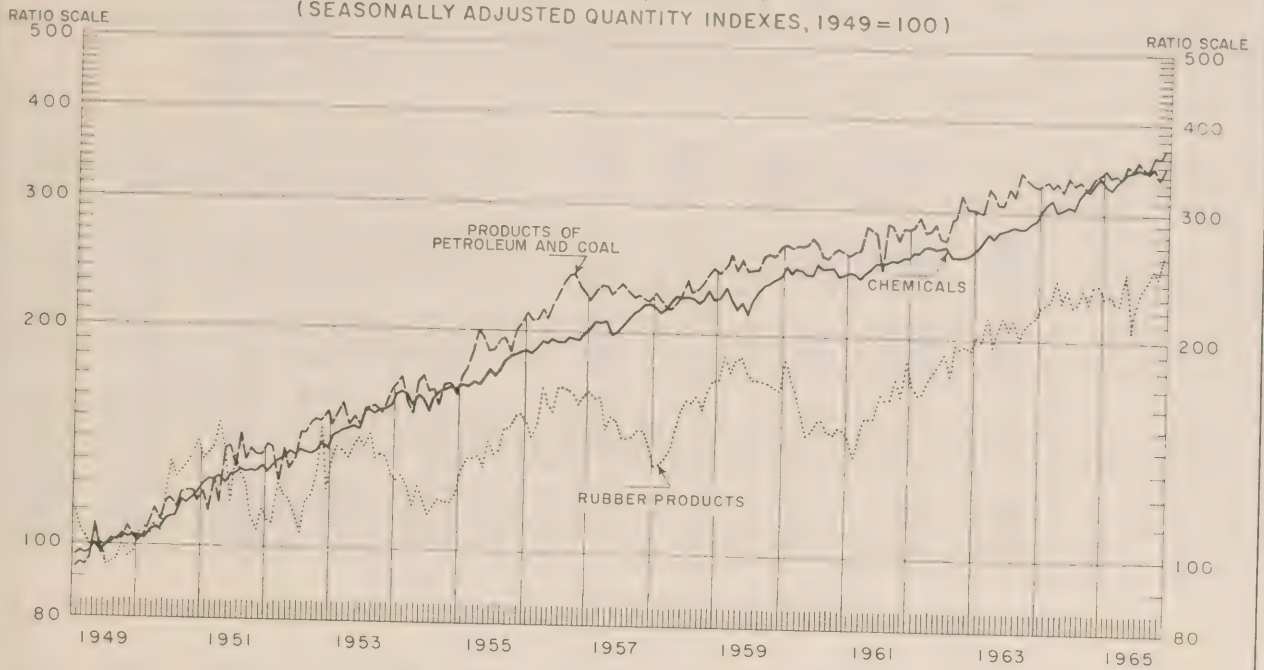


CHART-12

PAPER PRODUCTS AND PRINTING AND PUBLISHING,
BY MONTHS, 1949-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)

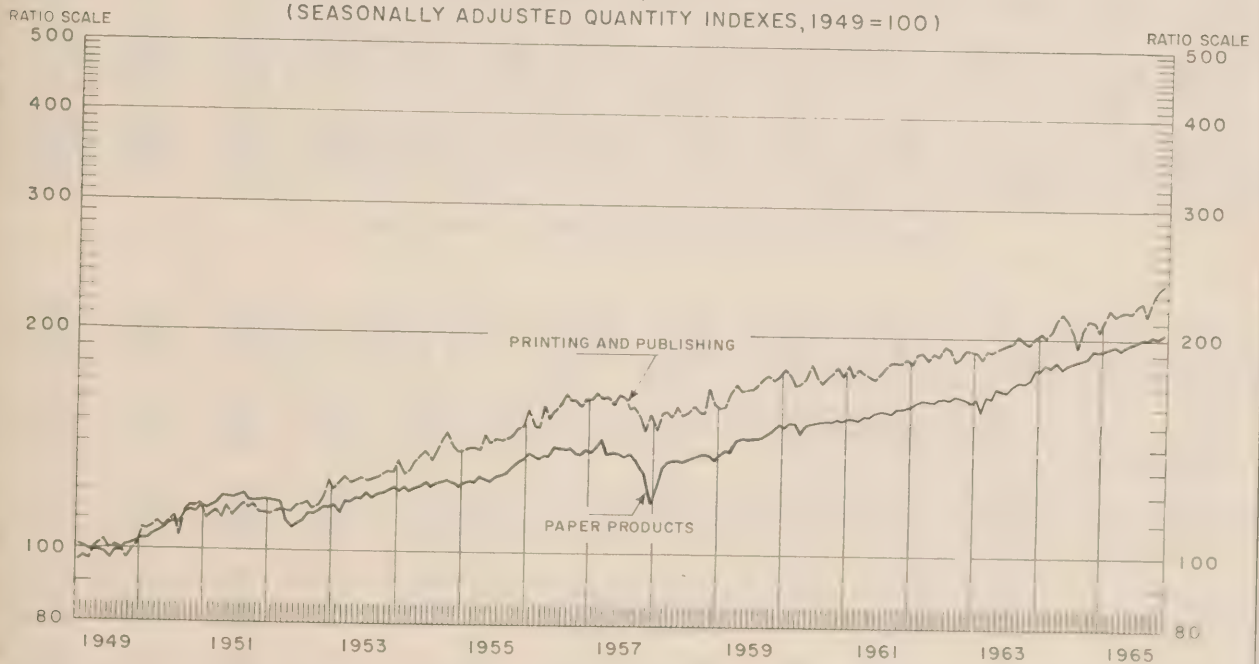


TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total products of petroleum and coal (1949 percentage weight 0.513)												
1946	71.7	69.4	77.8	74.9	73.6	72.0	71.1	71.4	74.3	77.7	76.2	80.
1947	76.7	82.5	77.5	77.0	79.5	81.4	79.2	81.1	78.1	78.0	83.1	82.
1948	85.7	83.6	84.0	91.3	86.2	88.9	89.9	92.3	95.0	97.1	95.2	87.
1949	92.7	94.8	93.8	96.4	107.1	97.6	100.9	100.9	101.9	101.3	106.4	102.
1950	101.7	103.0	106.5	111.6	108.1	114.5	115.1	112.5	116.8	117.5	117.3	114.
1951	118.3	110.8	121.7	113.0	133.5	136.1	128.0	141.0	130.3	135.2	133.5	133.
1952	138.6	136.7	121.4	136.4	128.4	132.2	142.4	142.4	148.7	149.9	148.0	152.
1953	146.3	151.3	157.8	147.7	150.4	148.6	152.9	155.0	156.6	153.2	156.9	164.
1954	167.7	170.6	159.3	152.5	169.3	171.5	163.7	164.4	158.6	168.4	168.8	162.
1955	171.4	176.4	186.7	200.4	194.1	186.8	187.6	193.5	195.3	187.1	200.0	205.
1956	212.1	207.8	208.0	214.0	209.3	219.9	225.0	232.3	240.0	240.3	231.5	228.
1957	220.6	229.7	232.3	232.1	227.5	230.4	234.1	229.8	223.6	226.9	222.8	220.
1958	229.5	222.2	218.5	215.1	220.3	227.3	239.1	229.6	230.6	235.7	241.7	246.
1959	242.3	248.3	258.1	245.7	252.6	245.6	245.4	247.6	257.5	259.4	256.8	263.
1960	268.5	262.3	265.6	264.0	265.0	272.5	267.0	257.5	255.0	260.9	263.2	260.
1961	258.1	261.9	262.0	286.0	281.9	279.9	246.3	288.9	286.1	272.0	284.0	281.
1962	286.5	295.1	280.8	281.9	289.8	275.4	273.5	293.2	294.2	315.9	302.6	302.
1963	300.6	298.8	323.7	317.8	308.2	306.8	322.3	314.2	341.0	333.1	326.8	322.
1964	325.8	331.9	324.1	330.7	320.8	338.0	329.0	332.1	322.1	326.6	338.0	341.
1965	346.5	338.8	341.0	335.0	350.6	348.8	357.9	349.9	344.0	350.3	338.8	348.
Petroleum products (0.454)												
1946	69.8	66.2	75.6	73.6	72.6	69.6	72.2	72.7	76.1	77.3	73.6	79.
1947	75.1	81.7	76.6	76.4	79.4	81.7	79.2	81.2	77.3	77.5	82.5	81.
1948	85.0	82.7	82.6	90.7	84.6	87.5	88.3	90.6	94.1	96.0	94.1	85.
1949	91.2	93.4	92.4	95.5	107.5	97.2	101.6	101.4	102.5	102.0	108.0	102.
1950	102.0	103.6	107.1	112.5	108.6	115.5	115.7	113.2	117.9	118.6	118.3	115.
1951	119.6	111.0	123.5	113.7	137.0	140.0	130.9	145.6	133.7	138.7	136.5	136.
1952	142.2	140.0	122.5	139.9	130.7	135.1	146.2	145.8	152.8	154.4	152.7	157.
1953	150.5	156.2	163.9	152.3	155.2	152.9	157.6	160.1	162.3	158.6	162.7	171.
1954	175.9	179.8	167.5	160.0	179.4	181.9	173.0	174.0	167.2	177.8	177.7	171.
1955	180.6	185.0	196.2	211.6	204.3	196.2	197.1	203.5	205.1	195.8	210.7	216.
1956	223.8	219.2	219.4	225.8	220.5	232.3	237.9	246.2	254.8	254.8	245.2	241.
1957	232.7	242.8	245.9	246.0	240.8	244.3	248.5	243.3	236.6	241.3	236.8	234.
1958	245.0	237.4	233.3	230.0	236.1	244.2	257.5	248.9	250.1	255.1	261.3	265.
1959	261.2	267.4	278.3	263.9	271.0	263.8	263.3	265.6	276.8	278.3	275.1	282.
1960	288.1	281.5	284.8	283.7	285.8	295.4	289.1	278.2	275.2	281.4	284.9	281.
1961	279.2	283.2	283.1	309.6	304.8	302.0	264.0	312.5	309.0	293.4	306.5	304.
1962	310.0	319.8	303.4	304.9	313.6	296.9	294.6	316.6	317.8	342.7	328.1	327.
1963	325.1	322.2	330.9	344.1	333.5	332.0	349.4	340.2	370.6	361.3	354.0	349.
1964	352.8	359.7	351.4	358.9	347.5	366.8	356.9	360.3	348.9	353.7	366.6	370.
1965	375.7	367.9	369.9	363.1	380.8	379.1	388.9	380.0	373.4	380.7	367.6	378.
Total chemical products (1.359)												
1946	87.2	86.7	87.0	86.3	86.4	86.7	86.0	85.5	86.9	87.0	88.0	91.
1947	86.3	85.7	89.1	89.5	90.3	92.0	94.3	96.2	91.6	92.5	92.2	89.
1948	91.2	94.7	94.8	95.3	95.7	94.1	96.0	97.2	97.2	96.7	97.2	97.
1949	97.5	98.3	97.1	98.0	100.4	98.6	99.9	101.5	101.0	103.3	101.2	102.
1950	102.1	101.5	104.4	105.3	105.1	108.8	109.4	109.5	114.3	113.4	115.6	118.
1951	120.2	121.9	120.9	123.3	120.7	123.9	124.3	126.7	124.8	126.2	125.9	128.
1952	125.9	128.7	130.3	131.5	133.8	132.6	135.1	134.7	133.4	134.8	138.8	136.
1953	141.1	142.5	143.8	144.0	146.8	145.5	152.7	152.9	151.7	153.6	153.9	156.
1954	161.6	162.8	161.0	157.7	161.6	159.5	153.7	160.5	163.1	164.3	166.5	165.
1955	168.6	167.8	169.1	168.6	170.9	175.6	171.6	180.2	183.8	184.6	186.1	186.
1956	188.7	185.1	189.1	193.3	191.0	194.4	192.4	191.6	196.2	195.6	194.2	199.
1957	201.1	207.0	206.4	206.9	199.7	200.8	203.3	209.2	213.6	215.0	219.7	219.
1958	217.2	212.6	215.8	220.9	226.8	224.5	225.6	223.9	220.6	223.3	230.1	223.
1959	225.5	231.8	224.8	217.2	221.6	214.7	225.5	230.7	235.0	235.5	239.0	240.
1960	244.7	243.4	248.9	245.1	241.7	243.6	250.8	247.8	247.9	248.6	241.0	243.
1961	245.4	244.0	240.4	245.3	248.2	252.1	250.8	252.6	255.0	253.9	258.1	258.
1962	260.9	260.5	266.5	267.1	265.4	267.2	269.0	259.4	258.6	258.6	259.1	261.
1963	267.4	272.2	280.5	276.3	282.6	282.8	285.6	288.6	285.1	286.4	291.3	292.
1964	300.6	308.8	310.7	301.1	302.1	307.8	303.3	315.5	321.5	320.2	329.8	336.
1965	326.2	323.2	330.0	334.9	342.0	343.0	348.4	345.9	346.6	362.6	360.9	370.

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Acids, alkalies, salts and fertilizers (1949 percentage weight 0.346)												
1946	87.0	85.5	85.5	85.3	86.3	86.5	85.6	84.2	83.2	85.7	88.0	89.3
1947	91.3	94.1	94.6	94.6	94.4	94.5	94.2	95.2	95.3	96.8	97.2	97.7
1948	97.0	97.0	97.2	97.3	96.3	95.8	97.0	97.7	97.7	97.3	96.6	97.1
1949	100.2	100.7	100.1	99.7	99.8	99.9	100.6	100.4	99.2	99.3	99.8	100.2
1950	100.5	102.5	106.2	107.8	108.6	110.3	110.3	111.3	114.6	116.1	117.0	118.3
1951	119.8	120.2	120.5	122.4	124.5	126.2	128.1	129.8	130.1	130.9	131.9	132.3
1952	132.7	131.0	128.6	129.1	129.5	128.9	130.3	131.2	130.6	131.0	131.9	133.7
1953	134.5	134.5	135.9	136.3	136.0	137.4	140.1	142.4	145.8	149.5	148.8	148.8
1954	150.2	152.7	153.8	153.7	155.5	157.2	157.4	157.3	158.1	159.8	160.6	162.9
1955	167.8	172.3	175.1	177.7	181.0	183.6	185.2	188.4	189.5	191.0	194.8	195.6
1956	196.9	198.0	200.2	201.9	203.9	207.1	208.8	209.3	209.8	212.4	212.7	214.6
1957	216.3	217.1	219.1	221.3	224.9	219.2	220.7	224.1	231.7	237.0	241.9	245.3
1958	260.6	252.9	253.9	269.4	271.0	268.0	266.7	265.7	267.8	265.7	269.5	271.8
1959	274.3	286.5	288.1	278.6	283.5	288.7	277.6	292.8	304.1	309.5	316.5	316.2
1960	315.4	321.1	320.8	317.1	307.6	311.0	341.6	331.8	319.5	323.9	315.6	318.4
1961	316.0	314.8	311.3	316.2	330.0	335.5	324.7	329.7	340.6	338.8	346.2	347.7
1962	354.6	338.7	350.1	355.4	361.0	357.2	358.6	334.6	326.9	332.9	337.7	343.4
1963	354.7	364.2	383.5	386.4	380.4	376.0	383.7	400.2	387.9	391.9	382.1	388.7
1964	389.2	405.6	398.1	401.0	401.1	407.6	402.8	423.6	435.0	434.0	446.9	443.3
1965	440.3	438.3	437.0	444.5	457.4	468.9	476.7	467.2	465.0	493.2	497.4	534.0
Total miscellaneous manufacturing (0.524)												
1946	78.6	74.5	75.5	76.8	79.1	81.8	81.3	81.3	82.6	82.9	83.2	84.1
1947	83.7	85.9	88.4	87.4	85.2	84.8	84.3	84.9	82.6	81.5	80.8	79.5
1948	80.3	80.3	79.4	79.0	78.8	78.9	80.2	80.7	81.6	83.5	85.9	88.3
1949	93.9	95.2	95.1	95.1	95.5	96.7	98.5	101.0	103.9	106.1	108.0	109.6
1950	112.3	111.7	112.8	114.2	115.8	118.1	120.1	120.9	122.5	124.1	126.1	128.1
1951	129.8	130.4	132.0	133.2	134.2	134.1	134.6	132.3	129.5	128.5	127.7	127.5
1952	129.5	131.7	133.9	135.6	136.9	137.5	139.3	142.6	146.1	149.7	153.3	156.3
1953	158.5	161.8	166.4	171.1	175.3	179.2	179.9	181.1	182.5	181.9	181.6	181.5
1954	181.9	181.4	180.4	178.7	176.1	176.9	178.7	179.4	179.0	179.0	180.0	181.1
1955	180.5	179.9	179.4	178.5	179.6	182.1	184.1	184.8	188.3	193.9	195.8	195.8
1956	196.4	197.4	199.5	202.7	204.5	205.3	206.3	207.3	209.2	212.2	214.4	215.1
1957	218.4	221.9	224.3	224.8	223.7	223.1	221.9	221.7	221.1	218.6	216.8	217.2
1958	218.3	218.7	220.1	223.6	226.6	228.7	230.5	231.5	231.8	232.1	234.7	238.9
1959	240.1	241.6	242.0	242.1	245.4	247.6	249.9	254.3	254.3	256.3	256.1	256.0
1960	258.8	261.2	264.5	266.1	263.9	263.6	264.9	265.7	266.9	269.2	271.6	273.2
1961	275.3	279.7	280.1	283.1	288.9	293.5	296.1	297.8	299.9	302.0	303.9	304.0
1962	301.4	297.5	295.8	293.5	290.1	291.1	294.6	299.9	305.1	310.9	317.7	323.4
1963	328.3	333.0	339.3	346.6	353.7	357.0	358.2	359.6	361.7	363.5	364.8	366.5
1964	371.3	378.2	380.0	379.8	384.5	387.1	387.9	391.5	393.6	394.3	393.3	394.1
1965	396.6	395.6	398.7	402.9	402.3	406.0	410.9	411.6	412.5	413.6	416.1	418.0
Total durable manufacturing (12.598)												
1946	76.3	76.6	77.9	79.9	80.9	80.8	81.6	78.6	76.9	79.7	83.2	85.1
1947	89.7	90.7	90.3	90.9	92.3	93.0	95.2	95.2	95.0	96.6	96.6	95.0
1948	96.5	96.0	97.5	98.8	98.1	96.6	96.0	98.1	99.7	100.3	101.3	101.8
1949	100.7	99.9	102.0	101.5	100.8	99.8	98.3	99.9	98.8	98.9	98.6	101.0
1950	98.7	99.3	98.6	98.6	101.1	105.5	110.1	108.5	111.8	114.0	115.2	117.3
1951	121.0	121.5	122.0	122.6	122.5	120.7	119.2	120.1	119.3	118.5	119.3	115.7
1952	119.9	119.5	121.7	122.5	124.7	124.5	121.4	128.5	130.9	132.4	131.7	133.7
1953	136.0	137.8	139.1	136.8	137.0	135.7	135.9	133.9	135.8	134.7	127.5	133.3
1954	131.0	132.9	128.9	128.0	125.0	124.3	123.4	125.1	120.0	122.3	124.0	129.7
1955	132.4	133.0	137.7	139.2	142.3	143.0	143.6	148.7	147.9	148.0	144.7	149.1
1956	147.0	148.1	153.5	158.3	156.1	158.1	162.6	159.3	159.2	162.8	163.5	164.7
1957	159.1	160.4	161.1	155.2	155.5	153.4	153.1	152.5	147.3	146.5	148.3	143.0
1958	145.0	144.8	144.2	143.6	147.6	146.4	143.6	143.6	141.6	140.8	144.1	147.9
1959	149.8	151.7	152.3	156.3	155.8	157.7	159.0	152.8	155.6	164.0	153.0	158.5
1960	164.3	160.3	160.8	156.5	156.0	153.8	150.4	151.9	153.9	154.9	151.8	152.1
1961	150.2	151.3	151.9	153.0	153.7	158.0	160.2	164.3	165.4	165.4	166.9	167.5
1962	166.1	170.0	171.9	173.1	176.4	179.2	181.7	182.6	183.8	184.4	185.0	184.3
1963	186.4	186.9	186.9	187.7	190.6	192.1	190.0	191.4	196.8	198.1	202.8	202.6
1964	207.0	210.5	209.6	213.4	210.6	209.5	213.8	219.2	219.0	213.8	218.5	214.6
1965	224.9	225.2	233.9	231.6	233.2	236.3	238.5	240.4	241.5	245.0	247.5	251.6

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 — Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total wood products (1949 percentage weight 2.108)												
1946	81.2	82.3	82.9	84.6	83.7	87.1	88.4	88.5	91.3	91.0	89.1	91.1
1947	96.0	95.8	95.9	98.0	95.6	97.3	99.3	101.4	100.0	100.9	99.2	97.5
1948	100.9	102.5	101.6	101.8	104.1	99.4	100.0	99.5	99.3	98.2	100.7	98.0
1949	104.7	97.6	99.3	99.3	103.8	101.0	98.6	98.8	98.4	98.1	99.9	99.5
1950	91.4	97.3	101.9	103.3	101.3	108.5	114.4	112.2	113.4	116.6	115.6	118.5
1951	124.7	121.0	115.8	120.5	116.2	118.6	116.2	109.5	110.3	108.8	108.8	107.8
1952	111.4	111.9	117.8	113.7	116.8	108.4	99.3	123.6	123.6	126.7	128.6	127.1
1953	134.5	134.9	132.8	127.1	131.0	126.4	123.2	125.4	121.2	117.8	118.0	120.3
1954	115.8	120.0	119.8	122.2	121.8	123.0	128.1	126.2	126.7	131.9	134.4	135.7
1955	147.5	136.0	135.4	135.6	135.4	137.2	139.5	135.8	142.7	144.4	137.0	150.7
1956	147.4	144.0	142.9	143.8	138.6	142.2	144.3	144.0	147.8	142.2	145.3	138.4
1957	129.1	137.2	141.3	137.7	136.6	138.3	136.4	137.8	133.5	129.8	127.9	125.3
1958	128.8	130.0	131.4	130.7	136.2	132.4	135.4	138.0	139.1	143.6	145.3	139.1
1959	144.6	146.6	144.5	149.6	149.7	150.8	133.4	122.6	133.9	149.2	145.3	152.4
1960	151.7	147.0	145.6	144.6	144.1	142.5	141.9	144.2	140.7	140.6	137.8	141.3
1961	137.9	137.9	140.8	142.3	141.5	144.5	149.4	147.8	148.5	146.7	150.4	152.2
1962	151.9	154.2	156.4	156.7	157.0	158.5	160.9	159.0	164.5	161.2	161.2	163.2
1963	160.5	165.0	164.0	161.4	166.3	171.3	167.9	165.9	168.7	170.5	171.5	173.1
1964	175.7	176.7	175.1	175.6	172.4	166.3	171.8	177.9	173.4	176.9	179.1	171.7
1965	177.7	175.6	177.6	181.6	178.8	179.9	176.5	179.2	184.2	187.2	188.6	196.0
Saw and planing mills (1.444)												
1946	78.1	79.5	79.8	81.5	79.3	82.9	83.8	83.6	87.4	86.8	84.1	86.9
1947	94.0	93.3	93.3	96.1	92.2	95.0	98.0	100.8	98.9	100.3	97.9	94.7
1948	99.2	101.3	100.3	101.0	104.7	98.7	100.7	101.1	101.4	99.3	102.8	98.5
1949	106.3	95.7	98.4	98.7	105.8	102.6	98.4	98.1	97.5	97.4	100.0	99.9
1950	88.2	97.2	103.7	105.8	102.8	112.3	119.9	117.0	118.7	122.4	120.2	123.5
1951	131.4	126.0	119.0	125.5	119.4	124.2	121.6	112.5	114.5	113.0	113.2	111.4
1952	116.0	116.0	124.0	117.5	121.2	108.3	94.7	129.2	128.1	132.3	135.0	132.7
1953	143.0	143.2	140.1	131.7	137.3	130.8	126.7	130.2	124.2	118.9	118.9	122.2
1954	115.8	122.3	121.9	125.6	125.8	127.3	134.1	130.9	131.5	139.0	142.2	143.8
1955	160.7	143.1	141.7	141.5	140.4	142.2	144.8	138.7	148.2	150.2	138.5	157.9
1956	152.8	147.3	145.5	146.4	138.6	144.4	147.5	146.8	151.9	143.1	147.5	137.2
1957	123.3	135.5	141.4	137.4	136.8	139.0	136.4	138.8	132.8	128.3	126.3	123.1
1958	129.1	131.5	132.7	130.6	137.5	131.8	136.0	139.9	141.6	147.8	149.9	140.3
1959	147.4	149.7	146.4	153.3	152.3	153.7	128.9	113.2	129.8	152.0	146.4	157.1
1960	156.5	149.7	147.7	146.5	146.5	144.4	143.1	146.1	141.3	141.7	138.5	143.7
1961	138.9	139.1	143.2	145.0	142.9	146.4	153.2	150.3	150.7	147.4	152.3	154.6
1962	153.7	156.4	159.1	159.3	159.4	160.9	163.9	161.3	169.1	164.1	164.4	167.2
1963	163.3	170.4	169.3	165.3	172.5	179.7	174.3	170.3	173.9	176.7	178.0	179.8
1964	183.1	184.2	181.8	182.7	178.0	168.9	177.0	185.4	178.4	182.7	185.2	173.8
1965	181.5	177.2	177.9	182.4	179.1	180.6	175.3	179.3	185.9	189.0	189.9	199.7
Veneers and plywood (0.122)												
1946	78.4	75.6	74.9	74.9	74.0	72.2	79.1	80.0	82.1	84.5	90.6	90.3
1947	95.1	94.7	94.3	96.2	100.4	109.5	119.8	118.5	112.4	110.6	111.2	112.5
1948	109.9	116.1	116.7	118.8	113.7	109.0	107.6	108.5	119.3	123.9	115.9	124.9
1949	109.9	105.3	99.7	98.8	97.8	93.8	93.1	97.1	100.0	104.4	101.1	99.4
1950	96.7	99.5	109.5	109.6	112.8	122.7	124.4	123.8	117.8	129.0	140.9	141.3
1951	150.9	150.4	134.7	148.5	147.4	150.6	154.2	136.3	140.4	138.7	133.8	143.6
1952	135.7	154.0	149.1	147.9	154.0	112.2	103.7	176.1	161.9	167.3	175.5	198.9
1953	218.4	195.8	195.6	190.8	193.7	193.2	195.6	196.6	199.1	186.1	190.0	170.7
1954	176.5	183.1	188.4	188.4	197.6	200.5	200.0	206.4	205.0	217.7	220.3	221.2
1955	238.0	233.5	231.9	229.7	225.1	247.5	236.5	237.0	250.5	244.4	258.6	264.2
1956	270.2	259.7	248.6	265.7	251.9	252.0	283.3	261.0	262.4	251.2	275.1	247.1
1957	212.5	228.8	241.9	244.0	272.8	246.2	259.8	272.6	244.7	262.1	223.4	229.8
1958	240.7	244.9	249.1	245.1	239.5	243.1	255.3	264.5	273.9	310.0	276.0	275.2
1959	269.9	286.1	271.4	299.4	262.0	292.0	140.7	96.6	215.1	280.3	306.0	316.7
1960	305.0	300.9	302.3	286.2	295.5	276.6	226.1	239.8	241.1	237.1	257.5	255.2
1961	254.2	252.3	279.1	280.2	303.6	309.3	325.3	347.4	322.5	294.8	305.9	302.1
1962	307.3	321.2	315.2	323.8	321.9	327.3	374.3	317.3	347.9	340.6	330.1	350.9
1963	340.5	349.0	335.8	340.1	350.7	355.6	356.5	340.7	380.3	384.6	382.2	386.1
1964	397.7	390.0	394.7	402.9	391.9	392.3	409.8	394.7	388.9	403.1	404.9	397.8
1965	400.4	396.6	398.0	390.5	382.7	384.2	344.8	438.6	416.6	421.1	424.5	425.2

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sawmills (1949 percentage weight 0.994)												
1946	82.8	85.1	85.3	87.5	83.8	89.1	89.4	88.7	93.9	92.3	87.4	91.5
1947	99.9	98.1	97.5	101.8	96.0	99.3	102.6	106.9	104.9	106.8	102.5	96.6
1948	103.4	105.1	102.8	102.6	107.6	98.5	100.9	100.5	99.1	95.4	101.7	94.6
1949	107.4	92.8	97.3	98.0	109.1	105.4	99.6	98.2	96.7	95.7	99.1	98.8
1950	82.2	94.4	101.7	104.5	99.1	110.7	120.7	116.6	119.4	122.7	118.6	123.0
1951	132.0	124.4	117.2	125.1	116.3	123.1	118.9	108.3	111.7	109.7	110.1	106.2
1952	114.0	112.1	123.4	113.0	117.0	104.1	87.0	126.8	125.0	129.6	131.5	124.2
1953	136.6	139.9	135.7	124.4	132.9	124.3	118.9	124.2	115.7	110.1	110.2	117.3
1954	107.2	115.7	114.6	120.3	120.0	120.7	129.0	123.2	124.0	132.4	136.8	139.4
1955	161.2	135.4	133.1	132.4	131.0	130.0	134.6	125.3	137.3	141.0	121.9	149.3
1956	141.1	134.5	134.2	133.5	123.9	133.3	135.1	137.2	144.2	132.9	136.6	125.3
1957	110.6	127.5	134.0	128.7	125.4	131.6	126.1	128.2	123.5	115.5	117.6	112.0
1958	119.3	122.0	122.6	119.2	129.2	120.0	124.3	128.4	129.3	133.3	140.3	126.5
1959	137.2	138.1	135.6	142.0	143.8	142.1	125.5	108.8	118.8	143.2	132.4	147.1
1960	147.9	138.8	136.2	137.2	137.6	137.2	142.0	144.6	137.5	138.5	131.2	139.4
1961	132.7	132.5	135.1	136.8	130.2	133.8	141.0	133.8	137.2	136.3	142.0	145.4
1962	143.9	147.1	151.7	150.8	151.1	151.9	150.1	153.8	161.6	155.3	157.9	160.3
1963	155.8	164.9	164.8	158.6	167.6	177.6	169.6	165.3	165.5	168.7	170.7	172.3
1964	175.2	177.5	173.9	174.7	170.0	157.6	167.7	182.3	173.0	177.5	180.7	165.0
1965	175.9	170.3	171.2	178.6	174.7	176.6	173.2	167.1	179.6	183.7	184.5	198.4
Furniture (0.460)												
1946	83.4	83.6	84.9	87.3	90.3	94.3	97.6	99.0	99.5	99.9	99.0	98.9
1947	98.4	100.1	100.7	101.2	101.8	100.2	99.5	99.5	99.5	99.9	98.6	100.7
1948	102.9	103.0	103.0	102.2	100.7	98.9	96.5	93.1	91.8	93.5	95.5	96.8
1949	99.5	100.3	99.9	99.5	98.4	96.5	98.5	99.9	101.3	101.6	102.2	102.2
1950	102.6	102.3	103.4	103.8	104.5	106.8	109.9	108.8	108.8	110.2	111.9	114.2
1951	116.7	116.7	115.5	115.4	114.5	110.6	108.1	105.6	103.4	101.9	101.2	101.2
1952	102.4	103.8	105.9	107.9	110.5	113.3	115.7	117.7	120.3	121.4	121.7	122.4
1953	124.2	125.4	126.1	126.7	127.7	127.6	126.4	125.8	125.7	126.8	127.8	128.0
1954	128.0	127.4	127.7	127.8	126.3	126.4	127.8	128.4	129.0	129.6	131.0	132.0
1955	132.6	134.5	135.4	136.3	137.3	139.1	141.6	143.8	145.2	145.9	148.0	149.5
1956	150.4	151.4	152.2	153.3	154.4	153.1	152.7	153.3	154.6	156.2	156.0	156.4
1957	157.2	156.1	156.5	153.6	151.6	153.1	152.7	152.2	151.6	149.7	148.2	147.2
1958	145.1	143.2	145.8	148.8	151.4	151.4	152.1	152.2	151.8	153.2	154.5	155.5
1959	157.9	160.0	161.0	162.3	165.0	165.0	164.0	163.7	163.9	163.7	163.3	162.2
1960	160.9	161.2	161.1	160.4	158.1	157.8	159.0	160.0	159.9	159.7	158.9	158.4
1961	158.1	157.3	157.3	158.6	161.2	164.0	165.5	167.1	168.3	168.9	170.5	171.4
1962	172.9	174.2	175.5	176.4	177.8	179.8	181.3	180.9	182.3	183.3	182.6	183.1
1963	183.2	181.8	181.3	181.5	181.2	181.4	182.9	185.4	186.8	186.6	187.3	188.8
1964	189.7	190.2	190.5	190.3	190.7	191.0	190.8	192.2	193.4	195.4	197.4	198.8
1965	202.1	206.4	213.3	216.4	214.8	216.1	217.5	217.3	218.5	221.1	224.0	226.4
Total iron and steel products (4.026)												
1946	81.5	80.9	80.6	80.4	81.1	82.4	79.5	76.6	74.4	80.7	83.8	86.7
1947	86.8	89.5	90.3	91.9	94.3	94.0	95.9	97.3	96.0	96.9	96.5	95.2
1948	98.0	97.6	98.3	100.3	100.0	100.2	101.7	101.9	104.4	104.8	104.4	106.1
1949	108.1	106.9	107.1	105.0	99.7	98.8	95.9	95.9	94.8	93.6	95.3	98.0
1950	95.5	95.9	95.7	95.4	98.7	100.7	104.1	105.1	107.6	110.3	110.6	112.4
1951	115.3	115.7	117.0	120.8	121.6	119.0	117.0	118.7	118.2	118.5	119.3	116.1
1952	120.5	120.1	122.0	119.3	121.1	119.1	121.7	117.5	119.3	120.5	121.1	124.7
1953	122.0	119.7	122.2	121.0	118.4	117.3	115.5	116.9	116.7	116.8	115.3	113.1
1954	113.0	113.1	110.6	110.7	108.9	112.5	111.1	114.1	109.3	108.3	107.7	109.8
1955	112.1	115.6	119.5	123.8	128.9	130.1	128.0	138.0	142.3	142.3	143.0	147.4
1956	146.6	149.8	150.0	151.4	152.0	151.2	155.0	154.6	157.1	154.5	160.5	159.4
1957	159.2	159.5	160.9	154.7	155.3	153.3	154.0	146.7	143.7	143.6	140.3	135.6
1958	139.3	137.5	137.3	137.7	138.0	139.0	136.0	131.1	128.6	126.9	134.7	138.4
1959	143.4	144.9	146.2	152.2	151.3	153.9	158.5	157.9	161.0	168.8	165.7	168.8
1960	165.9	159.5	158.3	153.0	150.9	147.7	143.8	144.8	145.4	147.3	151.3	151.2
1961	148.6	148.8	151.8	151.8	152.7	156.8	158.9	165.4	163.6	160.9	158.7	159.8
1962	159.8	165.6	165.9	167.7	171.4	175.5	179.0	181.9	182.3	179.9	183.0	181.1
1963	184.0	188.0	188.7	188.0	189.9	191.3	189.2	189.1	192.0	195.1	198.1	197.5
1964	204.2	207.1	208.7	214.0	213.1	209.3	214.9	216.0	217.0	222.1	224.7	229.7
1965	228.9	226.9	233.1	233.2	235.4	239.4	241.4	242.5	246.6	246.3	246.3	256.1

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Machinery (1949 percentage weight 0.851)												
1946	87.4	86.4	86.4	86.5	87.4	88.6	89.1	90.1	91.9	91.6	92.6	94.3
1947	96.1	99.5	101.0	102.3	104.8	105.9	105.4	104.8	103.3	105.0	104.5	103.5
1948	103.2	103.0	102.8	103.4	102.1	101.7	104.0	105.3	106.3	106.8	107.3	107.7
1949	107.3	106.8	105.7	104.2	101.6	100.5	99.9	98.9	96.9	93.9	92.6	91.9
1950	90.4	89.7	89.2	91.9	94.6	97.4	99.5	101.4	103.9	107.2	109.0	111.3
1951	114.7	116.8	118.7	121.9	121.4	117.0	112.8	113.1	116.9	120.2	119.7	119.1
1952	118.8	120.6	119.4	118.5	117.6	117.3	117.1	116.4	114.1	113.8	113.7	114.6
1953	114.2	112.2	110.6	110.0	110.3	110.6	109.7	110.3	111.1	113.1	113.1	113.8
1954	113.7	113.2	114.5	114.4	113.3	113.5	115.0	116.3	113.9	109.9	107.9	110.6
1955	111.1	112.7	113.8	115.4	117.1	118.8	120.2	122.4	123.8	127.8	129.4	130.3
1956	133.0	135.6	137.3	141.5	145.8	148.3	150.3	153.2	161.8	160.6	161.7	164.0
1957	166.5	167.6	166.2	163.1	161.1	160.2	157.4	154.9	151.2	148.0	144.9	142.6
1958	138.0	133.7	132.7	131.1	128.6	126.4	124.8	125.1	125.0	126.0	127.6	129.6
1959	132.0	135.0	135.7	137.6	141.5	145.8	146.7	147.0	148.2	150.4	151.4	150.9
1960	151.5	150.9	150.6	151.0	149.9	149.1	148.7	147.1	144.3	143.4	143.3	143.0
1961	142.6	143.6	145.4	146.5	147.0	148.4	150.5	152.7	154.0	154.5	155.0	156.8
1962	158.9	161.0	163.7	165.2	166.8	168.6	169.3	173.8	179.7	182.4	183.6	184.7
1963	184.8	184.8	184.5	185.5	187.5	188.0	188.6	187.7	187.8	189.4	190.5	191.9
1964	196.0	200.1	202.4	205.1	208.1	211.9	215.0	217.8	219.5	222.9	226.8	229.9
1965	233.1	234.8	238.3	240.9	242.6	245.5	249.7	253.6	256.8	258.2	260.0	262.0
Iron castings (0.387)												
1946	83.7	79.9	75.3	77.2	76.9	77.8	77.8	81.6	68.7	79.2	80.7	83.8
1947	79.4	86.2	85.7	87.8	91.3	85.3	90.9	84.1	89.6	91.8	92.1	88.3
1948	90.8	87.8	96.0	99.3	95.8	99.8	96.8	104.6	104.9	101.6	100.6	101.1
1949	111.0	104.0	107.1	104.4	102.2	99.4	88.6	96.0	94.4	92.7	98.3	99.3
1950	98.9	102.2	97.6	96.1	98.3	106.1	124.6	117.2	120.8	127.1	123.0	136.3
1951	130.5	127.3	128.7	140.5	126.7	125.9	110.6	126.0	121.5	111.9	112.2	104.1
1952	109.3	116.0	139.3	124.3	134.9	123.1	121.2	102.2	110.1	110.5	113.4	112.7
1953	109.3	118.6	114.2	112.5	110.9	104.1	102.6	97.3	99.1	100.7	101.3	94.8
1954	102.3	93.8	87.3	83.8	80.9	93.4	93.7	117.0	97.4	97.8	92.3	93.7
1955	95.2	97.9	102.5	111.1	117.8	119.8	126.8	133.2	140.6	152.3	154.4	162.8
1956	147.5	148.6	138.6	154.3	137.4	139.7	152.0	158.5	167.7	148.9	177.4	172.9
1957	153.8	174.1	190.9	160.7	192.5	190.2	175.1	157.5	139.4	141.5	128.7	105.5
1958	159.2	153.6	149.4	148.8	157.5	154.9	144.0	141.4	130.7	130.3	133.4	127.4
1959	131.0	137.0	140.0	157.0	146.6	148.6	171.5	166.4	165.4	193.7	173.0	171.8
1960	181.1	142.4	141.6	137.7	131.3	122.7	114.8	118.1	143.3	153.6	201.2	215.0
1961	182.2	169.1	167.1	144.7	122.0	149.6	143.9	191.8	172.2	157.8	133.9	135.2
1962	101.3	129.8	136.7	141.8	145.5	151.5	160.5	158.4	166.4	150.8	152.8	125.8
1963	145.4	164.7	171.5	166.4	160.9	165.4	149.4	164.5	155.0	172.7	173.5	168.7
1964	196.2	188.7	174.2	206.3	213.8	193.6	205.9	203.5	197.7	197.4	207.9	208.4
1965	203.8	201.9	218.1	212.5	206.9	224.2	225.7	189.1	226.8	228.5	234.5	262.8
Primary iron and steel (0.845)												
1946	75.4	75.4	77.4	75.0	77.5	78.1	64.4	55.2	50.2	72.2	75.2	81.3
1947	82.2	86.2	85.9	88.7	93.7	94.3	99.4	107.3	99.3	101.0	99.0	93.4
1948	102.9	98.5	95.2	100.1	99.1	97.6	97.9	90.5	100.1	100.5	98.4	108.5
1949	108.3	109.0	113.4	111.9	97.7	99.7	90.4	91.5	91.5	89.5	95.2	100.1
1950	95.7	95.9	97.3	95.2	106.2	107.1	111.4	112.9	115.9	115.3	115.1	114.7
1951	123.9	124.3	125.8	125.9	132.7	124.1	125.8	129.6	125.0	131.8	129.9	123.3
1952	140.3	134.5	127.6	126.2	126.4	124.9	128.9	118.8	122.9	124.0	122.4	132.5
1953	129.4	121.3	141.0	138.8	126.3	123.8	123.7	121.8	125.8	128.1	123.1	120.1
1954	115.8	112.9	105.2	106.0	103.5	111.8	108.1	110.3	108.3	104.9	112.6	111.5
1955	113.7	125.1	134.5	145.7	158.8	157.9	148.4	180.4	170.4	174.7	175.6	183.0
1956	177.6	188.7	192.7	183.9	192.4	190.5	193.6	197.0	195.1	189.7	193.7	187.9
1957	192.4	181.8	177.6	171.5	168.4	162.2	170.1	157.6	155.7	159.5	154.7	147.5
1958	148.8	147.2	148.3	151.0	145.5	154.3	148.8	116.3	108.5	104.7	136.0	156.8
1959	170.5	168.0	168.3	184.2	176.5	180.2	187.0	185.8	200.4	212.6	211.7	231.2
1960	215.0	211.1	211.2	187.6	180.5	171.7	165.6	168.2	180.8	184.8	177.8	166.8
1961	171.8	177.5	187.2	191.0	207.1	208.0	211.2	218.4	216.1	213.2	202.3	203.4
1962	209.3	217.0	208.0	214.2	224.4	232.2	235.1	242.6	228.0	220.5	233.9	232.0
1963	240.3	247.0	245.5	245.1	247.9	252.2	255.2	249.3	263.8	265.0	278.2	275.6
1964	282.9	279.9	283.0	296.0	286.3	283.1	288.6	287.9	289.3	302.5	301.7	314.2
1965	300.9	302.2	313.5	312.6	320.0	324.4	322.8	333.2	334.6	328.5	323.8	324.5

CHART-13

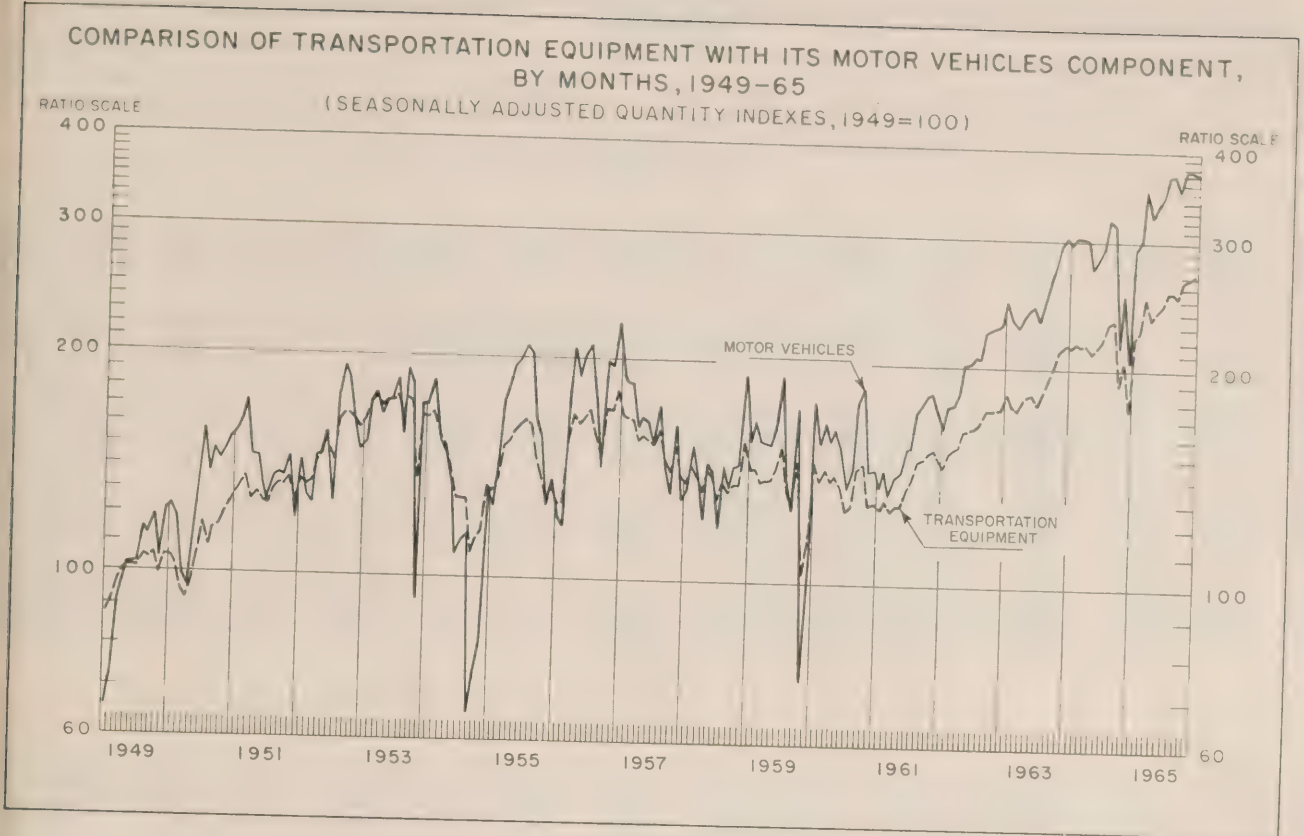


CHART-14

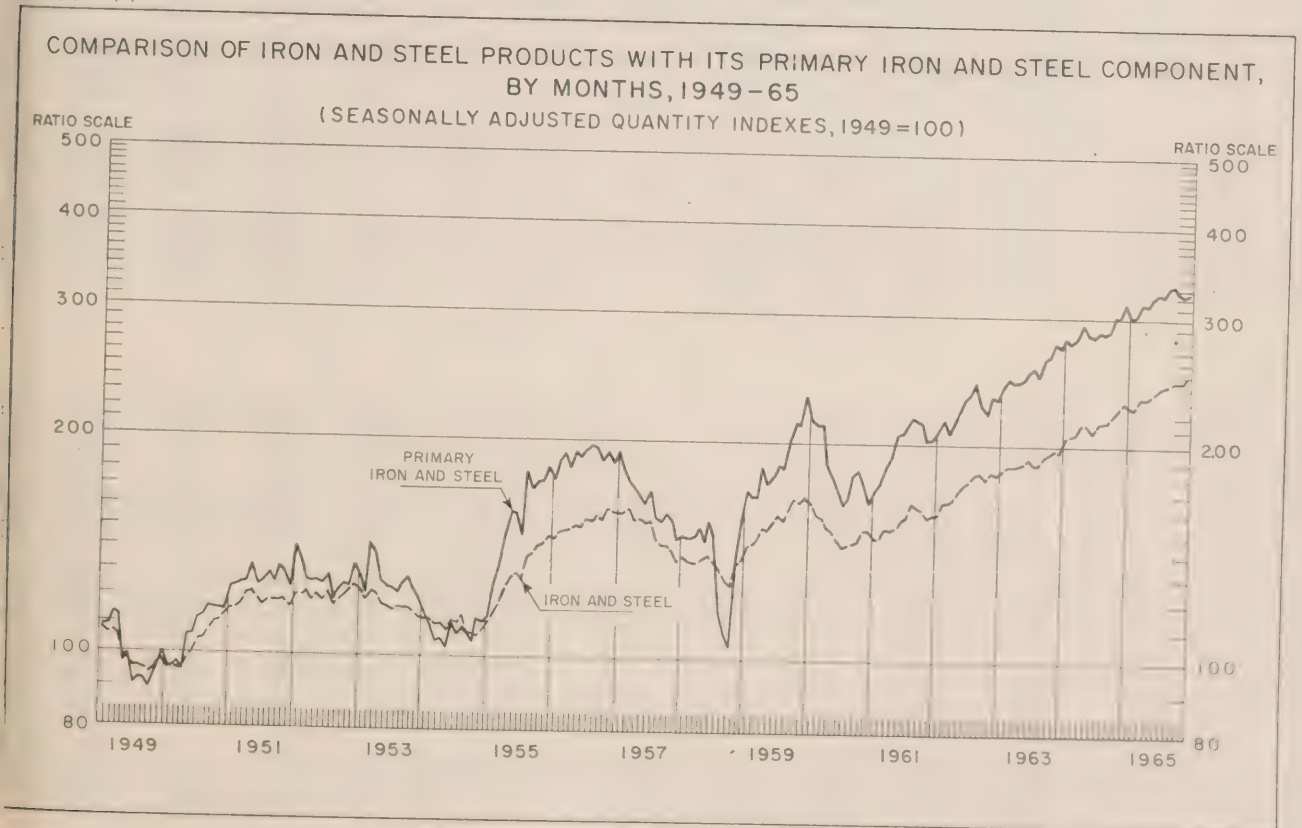


TABLE 1. SEASONALLY ADJUSTED INDEXES of Industrial Production, by Months, Jan, 1946 - Dec, 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sheet metal products (1949 percentage weight 0.359)												
1946	89.0	89.4	89.7	89.5	90.2	91.0	90.9	90.2	89.2	88.5	91.1	91.9
1947	92.7	93.1	94.1	95.5	96.8	96.2	96.1	95.9	95.6	95.7	95.8	96.6
1948	96.6	97.6	98.8	100.1	100.6	100.7	104.3	109.2	108.7	107.0	105.8	104.6
1949	101.4	103.5	102.8	100.9	99.1	97.9	98.5	98.4	98.4	99.1	101.0	99.4
1950	99.2	97.3	97.7	99.2	99.9	101.0	102.3	103.9	105.4	106.2	108.5	110.4
1951	113.0	113.0	113.1	113.4	112.2	110.0	108.5	106.8	104.7	103.1	101.5	100.9
1952	101.7	104.0	104.9	105.0	106.6	106.8	106.4	106.3	107.5	109.7	110.8	112.7
1953	112.9	112.3	111.8	111.6	112.2	112.6	113.4	114.8	116.4	116.6	117.5	116.5
1954	115.7	120.5	122.4	122.3	121.0	122.6	124.6	123.2	122.5	123.0	123.7	124.3
1955	124.9	126.6	127.4	130.9	135.9	138.5	141.2	144.7	147.2	147.8	148.3	150.4
1956	150.2	150.2	154.2	155.2	155.4	154.8	154.0	152.6	154.3	157.4	158.4	159.3
1957	159.6	157.3	154.3	153.2	149.5	149.7	149.9	149.8	148.2	148.3	150.3	151.3
1958	154.5	157.4	158.9	160.2	164.1	164.4	165.6	166.5	165.7	164.7	161.9	160.1
1959	163.3	167.1	169.3	171.4	171.5	172.5	174.7	176.5	178.5	179.8	180.8	180.0
1960	179.1	176.9	177.3	177.5	179.5	180.2	178.7	178.9	181.0	181.9	183.3	182.9
1961	180.6	180.3	180.2	182.0	182.6	183.4	185.0	184.6	186.1	187.7	189.7	193.4
1962	197.3	199.8	203.2	206.2	210.5	216.8	223.3	228.3	230.9	227.7	225.8	223.6
1963	225.1	228.2	229.6	230.4	231.8	230.6	231.5	231.9	230.5	228.4	231.8	233.3
1964	236.7	242.4	244.3	242.5	242.4	246.3	244.8	246.9	251.3	255.4	259.7	263.3
1965	265.9	262.5	264.7	271.1	274.6	274.8	278.0	277.9	279.0	279.4	279.5	280.1
Total transportation equipment (2.651)												
1946	75.5	74.2	76.3	83.5	88.1	82.8	88.1	80.5	73.0	76.3	84.0	84.7
1947	95.0	97.4	92.3	90.4	92.7	92.3	98.5	96.5	97.5	98.6	99.8	93.9
1948	94.2	90.5	98.5	98.2	96.1	95.1	87.7	98.5	98.1	99.6	102.4	106.1
1949	88.6	91.5	98.4	100.2	101.3	101.2	100.8	105.4	104.2	106.1	99.5	105.8
1950	105.2	102.3	94.8	91.9	98.6	107.3	117.4	109.3	115.3	116.1	120.1	124.1
1951	128.9	132.5	136.4	127.6	129.4	125.4	123.7	130.5	132.2	131.9	136.0	126.6
1952	136.1	132.3	133.4	143.8	146.5	152.2	141.5	161.6	167.8	167.5	161.0	159.7
1953	162.1	171.4	175.5	170.0	172.9	172.7	177.0	164.8	176.9	173.1	137.1	166.5
1954	165.0	169.2	155.0	150.0	140.8	128.7	128.5	128.2	108.1	112.3	114.9	133.1
1955	130.8	137.5	150.7	153.3	159.2	161.3	164.1	162.5	146.8	139.3	128.4	133.6
1956	127.0	127.5	153.9	169.3	162.6	166.7	170.5	157.0	146.0	170.6	170.1	181.0
1957	168.3	167.1	165.3	154.7	157.2	155.5	152.0	160.4	145.8	140.3	152.1	139.2
1958	137.3	143.4	139.0	131.9	141.0	139.6	129.9	137.0	132.7	135.8	135.9	154.7
1959	142.3	142.6	137.9	138.3	138.4	143.1	153.1	132.7	127.8	146.6	103.7	117.8
1960	146.8	138.2	142.5	138.6	140.2	135.3	126.0	128.1	143.1	146.5	129.0	129.7
1961	127.3	130.4	126.3	128.6	128.4	135.9	139.0	148.1	149.7	151.5	152.8	149.7
1962	145.3	151.4	153.0	155.9	163.3	164.3	165.1	168.2	175.3	176.5	176.9	177.0
1963	184.2	178.8	176.8	180.8	183.1	183.9	179.0	185.2	194.6	201.7	213.5	218.0
1964	216.9	219.3	217.9	218.5	210.9	215.6	220.3	233.9	234.4	190.9	204.7	178.1
1965	223.1	228.2	251.7	238.9	242.1	248.9	258.7	258.2	251.7	267.4	270.8	271.4
Aircraft and parts (0.203)												
1946	73.5	78.0	90.9	99.5	108.1	115.0	126.2	120.2	113.5	114.4	112.3	109.2
1947	105.7	98.7	96.7	95.3	94.0	91.3	88.0	84.1	83.4	76.3	69.9	69.8
1948	68.3	71.3	74.7	72.1	65.8	63.6	70.0	75.9	80.7	86.4	90.4	95.3
1949	96.3	99.0	99.2	101.9	106.9	108.8	107.7	100.9	95.7	94.3	95.5	96.1
1950	96.4	92.7	92.8	89.1	83.7	82.3	82.8	86.2	99.2	109.9	116.1	122.1
1951	130.4	140.1	145.3	155.8	166.0	176.9	192.5	207.7	218.2	219.9	222.0	228.1
1952	229.8	236.3	249.7	266.9	284.3	296.8	314.4	329.3	341.5	358.6	375.2	390.7
1953	410.7	428.1	439.9	439.2	440.8	437.8	430.2	424.5	422.1	426.1	426.8	420.9
1954	414.5	409.4	400.8	392.5	385.0	381.5	386.0	381.0	369.9	357.4	353.2	347.9
1955	335.1	329.3	329.2	330.6	332.9	332.6	315.9	316.0	319.9	323.1	322.4	332.6
1956	344.5	347.3	349.9	353.1	350.5	351.0	351.5	349.0	353.9	362.6	368.8	368.1
1957	378.2	392.8	398.0	391.9	400.4	407.0	414.1	413.4	412.0	405.0	399.4	394.4
1958	385.1	383.9	386.0	395.3	391.7	385.5	390.6	392.0	384.8	374.5	364.5	358.7
1959	362.1	303.2	277.4	284.9	284.6	287.8	289.8	288.9	283.4	281.3	278.9	272.0
1960	272.3	273.9	275.6	279.8	280.4	278.5	274.0	275.3	283.6	289.6	295.6	302.0
1961	308.1	317.6	322.0	321.8	321.2	321.2	322.5	320.7	319.4	324.9	331.8	337.5
1962	337.3	334.5	333.7	327.4	321.5	320.7	319.8	316.2	309.9	297.0	283.0	274.4
1963	274.0	278.0	277.6	279.8	282.7	279.1	276.8	280.2	291.2	298.4	306.2	311.6
1964	318.7	322.3	323.8	335.6	341.6	341.6	347.8	345.5	344.9	338.2	337.6	334.9
1965	334.2	329.6	331.6	305.5	294.9	317.3	327.1	312.4	260.7	318.4	333.8	348.7

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Motor vehicles (1949 percentage weight 1,035)												
946	42.8	40.1	46.0	64.7	77.1	64.2	76.4	60.3	44.8	53.9	71.8	71.4
947	97.2	102.0	87.3	81.7	84.9	82.5	98.1	90.9	90.8	93.0	96.5	82.6
948	84.5	76.2	94.8	91.3	86.0	84.4	65.6	94.0	91.9	96.0	100.9	108.6
949	66.1	73.5	92.1	97.8	101.7	102.2	102.4	114.7	112.8	119.1	104.1	120.6
950	122.5	118.4	99.4	94.6	113.5	135.5	157.5	137.6	148.2	141.2	148.2	152.4
951	157.3	162.5	171.1	144.6	144.0	131.8	125.2	136.3	138.6	136.5	144.2	119.4
952	141.8	128.4	125.7	145.9	146.8	156.3	125.8	176.0	190.6	186.3	160.8	148.5
953	150.4	171.6	179.3	165.4	172.4	172.8	185.4	156.2	190.4	183.3	93.7	171.4
954	171.4	186.1	154.6	148.4	132.7	108.1	111.0	114.0	65.4	75.7	81.9	130.9
955	126.3	141.6	174.5	181.3	195.4	199.4	208.7	201.3	163.9	156.3	127.6	137.8
956	120.0	118.1	173.2	206.0	189.9	200.5	209.0	172.8	141.3	199.0	196.4	225.5
957	190.6	187.3	186.1	161.9	168.7	164.2	152.6	173.9	142.1	130.5	161.0	129.8
958	132.2	151.9	140.5	120.8	144.2	140.5	119.2	143.5	133.7	143.4	144.1	190.5
959	156.3	166.1	156.9	154.4	154.2	164.6	190.4	138.7	126.0	172.7	73.9	110.4
960	178.5	155.1	166.5	156.2	162.7	153.6	134.2	143.0	179.5	186.2	141.0	142.5
961	136.7	143.2	132.4	140.5	141.9	153.6	154.0	172.1	178.7	183.9	184.7	175.9
962	164.0	177.8	178.0	183.0	201.2	202.4	207.9	206.4	225.9	228.2	229.9	230.7
963	249.6	234.4	229.4	237.4	241.0	244.0	234.6	250.3	264.1	274.0	297.4	303.6
964	298.1	303.7	302.7	300.2	276.6	286.1	291.4	321.4	319.2	217.3	253.7	207.3
965	293.3	303.5	356.6	327.6	338.5	349.2	370.8	371.1	355.3	378.4	377.3	373.3
Motor vehicle parts (0.462)												
46	65.5	66.4	66.2	68.2	70.7	72.9	75.0	76.5	76.2	75.9	77.4	79.5
47	81.6	84.6	87.6	88.7	90.6	91.4	92.1	92.8	94.8	97.1	99.4	98.0
48	98.6	95.8	94.6	93.6	92.3	90.6	84.7	76.5	79.4	81.0	91.5	100.8
49	97.5	95.9	97.4	98.1	95.8	94.8	96.5	100.3	104.1	106.0	106.1	107.8
50	111.7	116.0	116.4	117.0	123.5	130.9	136.0	138.7	141.5	144.7	146.7	148.7
51	148.6	145.9	143.8	142.5	139.1	134.4	131.3	130.5	126.6	125.1	127.3	124.9
52	123.9	125.0	126.6	129.7	131.7	134.2	136.3	138.8	144.9	147.7	147.0	149.0
53	149.2	150.5	152.9	152.9	153.2	153.3	150.6	145.3	140.4	135.2	131.9	133.3
54	131.1	127.7	124.0	118.3	110.0	103.1	99.2	99.4	101.4	110.4	120.2	124.2
55	130.9	138.1	138.7	139.1	142.0	147.0	149.6	154.1	143.8	115.3	113.2	111.4
56	106.8	113.0	142.7	155.1	150.8	148.4	148.3	150.9	153.8	158.9	159.6	156.9
57	155.8	149.9	142.0	140.5	138.1	137.7	141.0	141.5	131.4	131.3	134.9	133.6
58	124.9	120.5	120.8	121.3	124.4	129.2	122.4	121.8	131.4	131.9	135.4	141.7
59	143.5	146.2	149.2	151.2	150.5	154.3	153.2	149.7	152.9	157.1	136.0	141.6
60	154.6	158.2	154.6	151.5	148.2	145.3	138.5	133.3	138.1	141.4	140.9	139.4
61	138.2	138.3	139.5	139.6	140.3	146.1	158.7	165.7	158.7	155.3	157.6	156.5
62	157.7	160.4	166.1	172.1	173.8	175.9	167.2	187.4	186.0	194.3	200.2	201.7
63	200.5	202.2	203.2	205.9	209.4	212.0	206.1	205.5	223.2	235.3	245.8	255.9
64	257.6	257.8	255.4	258.8	261.3	263.2	274.5	284.6	291.6	270.5	265.9	216.6
65	281.6	290.0	301.4	302.0	304.5	311.1	316.3	314.9	332.0	345.1	360.1	364.1
Railway rolling stock (0.621)												
6	89.4	90.0	88.8	87.3	85.5	83.4	83.0	81.4	78.8	76.7	77.5	79.1
7	78.0	76.8	76.8	76.9	78.3	79.1	77.3	77.2	80.7	84.2	84.6	84.2
8	87.6	91.3	93.8	98.7	100.3	102.8	107.4	111.7	109.4	107.8	106.5	105.1
9	105.2	105.9	103.9	102.3	101.4	100.2	99.8	100.3	99.1	95.6	93.7	93.0
0	86.0	80.8	78.8	74.6	69.7	66.5	67.7	61.6	64.5	75.6	78.4	83.8
1	90.9	94.8	96.8	100.1	106.0	107.0	105.5	107.4	106.9	105.8	105.1	104.5
2	105.1	105.7	105.7	105.5	106.0	106.5	105.6	104.9	105.3	104.5	105.6	106.5
3	104.7	102.3	102.3	103.2	102.3	101.4	102.4	103.2	102.6	101.2	99.5	97.6
4	97.6	97.4	95.6	93.6	92.2	90.6	88.9	85.4	81.9	80.7	78.8	76.6
5	75.6	75.8	76.3	75.5	74.7	73.9	74.0	75.5	77.1	77.8	79.7	82.4
6	82.9	82.8	83.0	84.5	85.0	85.6	86.2	87.1	89.3	89.4	88.6	89.1
7	89.8	89.2	88.0	86.9	86.3	85.1	84.2	83.4	82.1	81.4	81.0	80.2
8	78.6	77.3	76.4	74.7	72.8	71.8	70.1	67.1	64.0	62.9	61.5	60.4
9	61.2	62.3	62.7	63.1	63.6	63.2	62.7	63.1	63.3	63.4	62.8	61.0
0	59.4	57.3	57.3	58.4	58.3	58.2	57.3	56.0	54.6	53.7	53.0	52.1
1	51.5	50.8	50.0	49.4	48.5	48.4	50.6	52.9	51.9	51.2	51.3	51.7
2	52.0	52.1	52.8	53.4	53.5	53.3	53.0	52.8	53.0	52.4	51.7	52.4
3	51.8	51.3	50.5	50.0	49.9	50.3	50.5	51.6	52.8	54.2	54.8	54.8
4	55.6	57.0	57.6	57.5	58.4	59.2	59.5	59.7	59.3	60.1	61.1	61.5
5	62.1	61.7	62.4	63.5	62.5	62.3	62.7	62.9	62.9	62.4	62.4	62.9

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Shipbuilding and repairs (1949 percentage weight 0.261)												
1946	197.5	188.6	179.8	172.0	162.8	155.2	149.4	142.7	139.6	141.3	144.7	148.6
1947	151.9	158.6	161.9	164.1	169.8	173.7	180.0	189.6	189.8	187.0	185.9	182.8
1948	171.0	159.9	160.7	164.3	166.8	162.5	156.5	152.1	151.4	145.5	134.8	124.7
1949	113.5	112.2	110.7	106.8	104.9	103.8	98.4	94.1	90.9	91.1	87.6	85.4
1950	81.9	77.9	80.6	82.2	80.2	77.8	80.7	85.2	81.4	77.8	75.8	78.2
1951	82.0	84.8	86.9	89.8	95.4	100.8	106.4	115.9	125.0	134.3	140.6	147.1
1952	155.6	162.2	169.9	174.6	178.9	183.7	180.4	169.9	153.8	150.2	169.7	186.9
1953	191.5	191.1	188.8	187.0	188.3	187.9	187.8	190.5	189.4	188.3	187.5	185.4
1954	178.3	172.9	171.5	167.0	159.8	154.1	149.6	147.0	149.2	147.8	140.7	134.0
1955	129.4	126.6	127.5	127.5	126.1	124.9	124.5	124.8	124.0	124.9	127.6	128.9
1956	130.9	132.0	127.9	126.3	129.3	131.6	133.4	134.1	133.6	138.1	139.7	139.2
1957	141.3	142.3	142.2	141.2	139.4	138.9	141.5	145.2	144.8	141.8	139.0	140.7
1958	138.3	134.5	135.0	136.4	137.5	137.4	134.9	116.9	107.2	110.2	114.4	116.8
1959	118.1	120.2	122.0	124.8	126.0	122.3	123.5	127.4	127.7	128.1	124.9	123.0
1960	126.6	128.6	130.8	131.8	129.3	123.8	124.7	123.5	119.8	119.3	118.3	118.1
1961	115.8	115.8	113.2	105.6	100.2	121.1	124.1	127.4	132.0	133.5	135.3	136.6
1962	136.6	139.4	143.1	144.8	148.1	149.6	151.8	155.9	157.9	157.7	156.9	156.2
1963	159.2	159.8	158.6	162.1	161.9	154.8	153.8	150.9	150.2	152.7	151.4	150.1
1964	149.8	145.7	138.0	138.8	143.3	149.1	150.8	151.0	150.8	152.9	155.9	158.1
1965	158.4	159.6	163.4	165.4	160.4	156.6	152.5	159.3	163.8	164.7	167.5	169.3
Total non-ferrous metal products (1.601)												
1946	76.1	76.3	82.2	83.6	81.2	81.0	82.4	84.2	83.2	82.8	84.3	83.0
1947	86.7	86.1	86.9	87.5	89.7	90.5	90.9	87.3	88.7	92.9	92.8	95.2
1948	95.9	94.5	96.6	100.6	97.5	96.3	102.0	99.4	101.9	103.2	103.4	98.7
1949	96.6	99.0	101.6	100.4	100.6	100.0	101.5	101.6	99.5	99.0	99.4	100.5
1950	100.6	100.1	99.9	101.6	101.8	102.4	100.5	102.4	107.5	109.8	112.1	111.6
1951	114.6	114.1	113.6	114.0	116.7	116.9	117.9	120.2	113.2	111.6	109.9	110.0
1952	109.8	111.1	111.9	112.2	111.0	113.5	108.9	105.3	109.4	112.2	111.2	117.1
1953	121.9	122.8	121.5	120.8	119.3	119.1	121.7	120.7	119.3	118.0	118.3	116.8
1954	112.5	114.2	114.9	115.4	116.1	117.1	116.2	118.2	120.3	122.4	124.0	126.2
1955	126.9	126.8	129.7	129.8	129.5	127.5	123.3	129.6	129.9	129.6	130.1	128.6
1956	127.1	127.2	127.4	128.8	132.7	136.3	140.6	140.1	140.4	142.0	140.7	142.7
1957	141.8	140.9	139.2	136.9	133.9	121.8	125.0	127.9	123.7	135.3	138.5	136.3
1958	140.1	138.7	137.0	136.8	137.5	135.6	131.7	129.4	129.6	112.8	113.0	116.1
1959	127.6	130.1	140.3	142.9	141.7	143.6	143.7	142.6	147.6	147.8	147.4	149.3
1960	148.5	153.8	157.4	155.1	151.8	156.6	159.2	162.0	159.0	157.3	157.2	156.7
1961	155.1	154.3	154.5	154.4	155.4	154.9	151.3	152.0	155.8	160.4	164.9	161.7
1962	161.2	159.5	159.7	156.8	160.0	158.5	163.4	160.9	157.9	154.8	156.8	156.0
1963	158.3	156.9	156.0	158.6	158.4	157.9	157.0	163.8	164.2	163.6	162.0	160.4
1964	166.5	169.3	169.3	172.5	173.0	176.2	174.9	172.7	174.5	179.5	178.9	182.6
1965	180.4	181.2	185.7	184.4	183.1	184.0	186.6	186.7	191.1	190.8	194.5	193.0
Brass and copper products (0.241)												
1946	97.7	99.3	99.2	98.8	97.5	94.5	93.2	93.2	91.2	93.5	96.4	98.5
1947	98.2	96.3	97.5	97.6	97.4	98.3	97.9	97.1	97.1	96.8	96.5	97.2
1948	97.9	99.2	98.0	99.0	101.8	103.6	103.3	103.2	103.3	103.4	102.2	100.4
1949	104.4	104.7	104.4	102.8	100.9	99.2	98.5	97.7	96.1	96.2	97.0	97.7
1950	98.0	98.2	98.4	99.0	99.3	99.9	100.3	101.8	105.1	107.6	109.0	109.9
1951	115.2	118.5	119.5	121.8	124.4	124.6	124.4	123.4	120.0	117.4	115.6	113.8
1952	111.9	112.2	113.2	112.7	112.3	113.8	114.3	114.0	114.8	115.3	115.7	116.5
1953	112.3	108.9	110.1	110.6	110.7	110.1	109.4	110.0	111.4	111.5	110.6	110.5
1954	109.1	106.6	105.3	104.3	103.4	102.2	102.8	102.9	101.1	100.3	100.4	101.1
1955	102.4	104.8	106.1	106.4	107.8	110.3	111.6	112.1	113.3	115.8	118.6	119.8
1956	121.8	123.4	124.9	125.9	124.6	121.8	118.5	117.0	117.7	117.2	116.5	117.2
1957	117.3	116.7	115.3	113.9	113.8	114.0	115.2	116.4	115.3	113.6	112.1	110.5
1958	107.7	106.2	106.7	108.6	111.6	115.0	116.8	116.8	117.7	119.8	122.0	123.2
1959	124.8	125.6	126.1	126.2	126.0	124.8	123.6	123.9	125.3	124.2	121.6	120.7
1960	121.1	122.0	122.1	121.6	119.8	118.2	118.8	118.7	116.1	115.6	117.6	117.8
1961	118.5	120.2	120.3	121.0	123.0	125.7	127.4	128.8	132.5	134.7	134.1	133.5
1962	132.4	131.3	132.8	133.5	133.0	132.8	131.9	132.3	131.2	130.5	129.8	130.0
1963	131.0	131.0	131.6	133.4	135.5	138.5	142.1	144.9	143.6	144.7	146.0	146.4
1964	148.8	151.1	152.6	153.3	156.7	159.5	156.5	152.2	153.1	157.7	159.8	162.9
1965	166.0	162.0	163.1	159.9	148.8	143.9	142.4	143.9	171.8	180.4	181.7	183.2

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Non-ferrous metal smelting and refining (1949 percentage weight 1.028)												
1946	69.0	68.4	77.3	79.1	75.3	75.3	77.7	80.6	79.1	77.8	79.3	76.6
1947	82.2	82.3	83.6	84.6	88.1	89.4	90.1	84.9	86.4	92.7	92.3	95.3
1948	96.0	92.9	96.6	102.1	96.6	93.1	101.5	97.4	101.3	103.1	104.5	98.9
1949	93.2	96.4	99.2	99.2	100.2	100.9	102.7	103.7	101.1	100.3	100.9	102.0
1950	101.8	101.0	100.5	102.9	103.4	104.0	101.5	103.3	109.5	111.6	113.8	112.5
1951	115.2	113.3	111.9	111.1	114.5	115.2	117.0	121.3	113.5	112.1	110.9	112.1
1952	113.2	115.6	117.0	117.9	115.6	119.0	111.4	105.5	110.9	114.4	112.0	120.7
1953	128.8	130.4	128.5	126.8	124.4	124.2	128.3	126.6	124.6	122.8	124.5	122.6
1954	116.5	119.8	121.2	123.2	124.4	126.2	124.8	127.7	131.2	134.8	137.5	140.6
1955	140.8	139.9	143.7	143.7	142.9	138.8	132.1	141.6	141.6	140.3	139.6	136.1
1956	133.6	133.4	133.4	133.4	140.1	146.6	153.7	153.2	153.6	155.7	154.0	157.1
1957	154.9	152.7	151.2	148.9	144.2	125.3	129.9	133.5	127.1	146.0	151.6	148.7
1958	155.7	154.0	151.2	150.1	150.5	146.4	139.5	136.1	135.7	108.2	107.0	111.1
1959	128.1	131.1	146.4	149.4	146.9	148.8	149.0	147.0	154.0	154.3	155.0	158.2
1960	156.9	164.9	170.2	166.8	161.6	170.3	174.2	178.4	174.8	171.7	170.7	169.7
1961	166.6	165.1	165.5	165.2	166.6	165.1	159.1	159.4	163.1	169.6	176.2	171.1
1962	170.5	167.6	167.0	162.3	166.5	163.7	170.6	166.8	162.9	157.7	161.1	159.9
1963	163.6	161.0	159.4	162.2	161.3	159.5	156.8	166.1	166.8	165.5	162.4	159.1
1964	167.0	170.2	169.8	174.4	174.2	178.7	178.2	175.2	177.0	184.4	182.3	187.0
1965	182.1	184.4	190.2	187.8	187.9	189.3	192.2	191.6	191.4	187.9	192.5	189.2
Total electrical apparatus and supplies (1.418)												
1946	60.7	64.9	65.4	65.1	66.7	66.4	70.2	66.4	67.8	68.2	73.2	77.6
1947	86.0	83.8	85.5	86.1	88.6	91.7	89.2	91.0	91.6	94.0	95.3	95.0
1948	95.1	95.6	92.3	92.9	92.3	88.7	85.2	85.7	90.8	91.7	92.7	94.9
1949	101.5	100.6	100.6	100.1	99.1	98.3	96.0	100.7	98.1	100.3	101.3	103.1
1950	102.2	104.2	105.0	106.8	107.7	111.4	116.3	116.0	117.7	119.0	120.6	121.4
1951	122.5	124.9	126.2	127.5	126.8	123.6	122.7	119.2	118.3	114.9	114.0	111.6
1952	112.3	112.8	115.7	116.6	122.0	123.2	127.4	131.4	129.5	132.5	133.1	135.0
1953	142.3	146.5	146.5	150.3	150.7	150.9	149.9	149.6	151.1	154.1	158.5	158.9
1954	158.1	155.3	151.8	148.6	145.2	146.5	136.4	143.7	147.5	153.5	157.0	161.1
1955	162.7	164.9	167.3	163.0	160.8	158.6	164.1	180.3	187.4	190.8	189.8	188.7
1956	184.2	186.8	189.5	191.4	189.7	191.6	205.7	204.5	214.4	205.3	198.9	201.2
1957	194.3	193.0	192.0	185.7	184.1	185.6	181.6	176.2	177.9	176.2	179.1	178.5
1958	178.3	174.5	177.0	179.2	180.4	181.6	184.0	183.5	178.2	179.8	184.0	175.8
1959	184.6	185.3	182.3	188.8	192.2	189.4	192.1	196.3	194.7	195.3	194.2	194.4
1960	200.3	200.4	200.8	197.4	197.1	190.3	187.9	186.3	185.2	183.5	178.3	178.5
1961	179.8	183.4	183.5	184.8	186.4	194.2	200.2	200.8	208.0	208.3	215.7	224.6
1962	224.7	226.0	231.4	232.0	231.3	238.0	237.9	240.8	237.9	248.2	245.6	243.3
1963	242.8	248.9	248.7	249.0	250.0	255.2	257.2	252.8	260.8	257.1	269.0	264.3
1964	267.0	265.9	264.7	273.0	274.5	272.5	278.0	286.8	286.9	292.8	288.8	294.6
1965	304.2	305.6	311.9	315.5	320.7	319.6	314.0	327.6	322.4	322.9	328.5	342.0
Heavy electrical machinery (0.489)												
1946	74.4	76.3	76.8	77.1	77.4	76.7	66.9	56.2	55.2	62.0	69.4	73.0
1947	76.5	78.6	82.0	83.1	84.5	85.8	86.0	89.9	92.4	93.4	92.6	93.1
1948	94.6	95.6	95.3	96.7	98.8	100.7	102.2	101.8	100.6	100.5	101.0	103.3
1949	102.9	102.3	102.0	101.3	100.6	98.3	98.3	98.8	98.7	98.8	98.6	99.2
1950	98.6	99.3	100.3	101.1	102.0	103.9	104.8	106.3	107.8	110.4	114.2	117.0
1951	120.9	123.7	126.0	129.4	132.0	134.3	135.3	134.5	133.3	132.9	131.9	130.6
1952	129.9	131.4	132.4	130.3	129.8	129.9	129.8	130.5	131.2	130.8	129.7	130.7
1953	132.0	132.4	132.7	132.6	131.9	131.9	132.3	130.6	128.4	132.1	135.4	135.4
1954	130.9	125.3	123.5	121.4	119.9	117.9	116.8	117.0	117.1	115.7	114.8	113.9
1955	112.9	114.6	116.5	118.2	121.0	124.5	128.6	132.9	138.6	139.2	138.8	140.7
1956	144.9	149.1	154.7	162.2	166.5	167.4	167.2	169.2	169.0	172.5	182.2	182.0
1957	183.2	181.3	177.8	171.9	165.7	159.5	154.9	154.1	154.3	153.7	154.5	157.7
1958	158.6	153.3	151.5	150.1	149.8	149.9	152.6	155.4	151.4	148.7	146.3	142.4
1959	142.5	144.2	146.0	147.3	148.9	150.0	148.6	149.0	150.9	153.1	154.3	154.8
1960	155.3	156.0	154.7	154.0	152.4	150.6	149.5	148.1	144.7	141.1	138.7	137.2
1961	136.9	137.6	139.2	141.4	143.7	145.9	148.1	150.7	152.5	156.1	158.4	160.5
1962	162.8	163.6	166.1	168.7	171.3	174.9	177.7	180.2	184.5	187.6	189.7	191.5
1963	192.1	192.6	191.8	190.7	191.3	192.8	194.1	194.5	194.3	194.6	196.8	199.6
1964	201.9	204.6	207.5	209.1	210.5	210.7	212.0	215.6	218.7	219.9	221.4	223.6
1965	228.1	230.7	233.1	236.9	239.0	241.6	243.2	243.0	244.6	249.3	253.4	255.4

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Telecommunication equipment (1949 percentage weight 0.142)												
1946	43.8	53.6	62.4	63.6	70.9	61.2	116.8	100.5	104.8	80.1	90.5	112.6
1947	166.8	117.4	108.7	94.9	103.5	120.8	83.9	80.8	81.3	103.1	118.4	111.4
1948	107.1	118.2	91.5	90.8	90.7	69.6	55.1	81.2	104.6	82.9	84.5	77.3
1949	84.9	80.6	91.2	97.3	99.9	106.0	92.9	139.9	95.3	101.1	103.9	105.2
1950	95.6	113.8	109.8	112.7	110.9	123.9	133.0	115.8	138.2	144.6	150.7	150.0
1951	151.6	147.0	153.0	159.1	164.9	151.8	167.7	141.0	143.2	115.7	108.5	102.8
1952	130.8	127.6	151.3	168.3	200.6	205.3	243.7	251.0	228.3	248.6	244.4	269.9
1953	312.0	335.4	344.3	385.4	368.2	347.6	316.3	340.0	333.0	352.0	378.7	379.2
1954	378.4	379.3	349.8	335.8	326.5	342.7	257.1	336.2	376.2	438.3	477.5	509.8
1955	520.5	516.2	539.0	456.0	401.0	362.2	395.1	498.2	568.1	602.6	610.7	566.3
1956	478.9	481.4	436.1	414.0	383.0	409.2	536.4	525.3	614.7	508.8	429.6	447.3
1957	393.7	386.7	398.9	385.1	406.9	434.3	403.5	359.7	390.0	378.8	392.1	378.1
1958	387.6	376.5	409.2	439.0	443.6	472.8	480.2	480.6	417.8	429.8	448.8	368.0
1959	455.1	447.6	429.6	477.3	470.9	436.8	457.9	476.9	424.1	429.9	419.3	427.7
1960	457.7	449.1	464.6	446.2	467.4	436.1	398.8	405.5	436.4	416.5	405.8	402.2
1961	419.2	460.6	426.3	409.3	431.1	467.8	512.3	487.0	528.5	511.4	538.0	622.2
1962	597.9	595.9	644.9	633.3	605.1	637.5	632.3	614.4	574.3	665.3	626.3	596.6
1963	578.5	628.7	637.6	647.9	639.6	679.1	691.0	658.8	725.1	689.7	720.3	675.2
1964	707.3	686.4	682.1	719.0	733.8	693.4	716.1	758.9	768.5	803.5	814.7	812.1
1965	874.6	856.9	879.3	884.3	907.3	913.8	860.3	1,000.4	878.0	829.6	891.8	1,006.4
Refrigerators and appliances (0.227)												
1946	35.0	34.5	34.1	33.5	33.1	32.6	31.9	31.6	33.9	35.9	38.3	40.8
1947	47.1	50.1	52.6	55.0	57.3	59.9	63.6	67.3	67.2	68.0	68.7	69.3
1948	62.5	63.9	65.1	66.2	67.2	68.2	69.4	70.8	72.0	73.5	75.0	77.7
1949	91.4	92.6	91.3	91.4	91.7	92.9	97.9	102.6	107.1	111.5	113.7	116.7
1950	120.5	123.1	127.7	132.5	135.4	142.1	156.2	158.0	151.8	155.6	155.8	156.9
1951	156.6	153.4	147.7	146.1	128.9	116.3	100.7	99.3	96.5	92.9	91.8	87.6
1952	79.9	81.0	82.3	82.7	98.0	102.5	106.2	122.5	123.4	126.0	127.7	117.2
1953	131.4	141.9	130.1	121.9	132.1	140.3	144.8	127.4	139.3	132.6	135.6	139.2
1954	139.1	133.3	138.1	137.4	131.2	137.5	130.4	124.0	123.9	127.6	125.9	125.4
1955	126.2	132.4	122.6	134.2	137.7	130.6	130.4	159.1	141.3	144.0	142.0	147.2
1956	156.3	154.9	176.2	179.2	176.2	171.0	181.6	176.0	179.2	175.6	165.5	176.2
1957	164.6	166.6	170.3	158.2	150.8	155.3	153.5	150.5	145.6	147.9	155.5	151.1
1958	147.5	147.3	150.6	154.2	166.4	170.0	173.8	158.0	173.4	181.7	195.2	189.9
1959	195.2	200.4	185.7	186.4	197.9	193.9	195.9	210.4	221.8	206.8	204.5	205.5
1960	218.4	226.9	219.7	213.9	203.6	185.8	198.7	188.5	175.3	190.2	177.8	182.1
1961	182.2	173.5	190.2	199.4	187.6	200.8	198.8	204.4	209.4	203.2	219.1	212.5
1962	220.1	220.4	216.0	219.3	222.9	232.4	221.6	245.0	241.1	242.0	250.2	253.0
1963	252.6	257.7	258.2	247.3	252.4	260.2	263.3	252.6	260.2	253.0	296.9	282.5
1964	269.3	269.2	253.6	275.4	274.1	272.8	280.9	294.7	285.5	295.0	252.3	279.3
1965	284.2	291.0	298.7	298.9	314.2	300.3	297.2	290.0	311.2	323.4	307.5	313.3
Total non-metallic mineral products (0.794)												
1946	67.8	69.1	70.5	71.9	73.0	74.3	71.5	67.0	68.1	70.8	77.1	80.0
1947	82.6	82.5	84.0	83.7	83.6	85.9	88.7	87.2	87.3	88.5	89.2	90.0
1948	88.6	92.1	91.0	91.6	90.7	90.0	91.6	93.2	93.8	94.4	95.1	94.3
1949	100.7	99.5	98.5	97.8	99.6	99.1	99.0	100.7	101.1	101.0	101.9	102.0
1950	101.9	101.5	102.9	104.8	107.6	111.3	113.4	112.7	114.8	118.0	117.9	120.7
1951	124.1	124.9	126.0	129.3	124.7	121.8	119.8	121.8	119.5	119.7	119.2	116.4
1952	119.4	123.0	122.7	123.0	124.6	127.0	125.9	128.2	131.6	131.5	135.3	140.6
1953	140.8	140.3	142.9	140.3	138.7	136.4	139.8	137.8	140.9	141.7	145.0	147.7
1954	138.3	143.8	145.7	146.5	144.2	147.1	147.7	148.2	146.9	145.1	150.2	153.8
1955	157.4	153.9	156.0	155.4	165.1	166.5	168.6	174.2	176.1	176.3	177.8	176.8
1956	188.1	192.7	186.7	194.7	189.0	191.1	190.0	189.2	184.6	199.9	187.4	185.1
1957	179.4	185.7	190.0	188.1	192.4	193.6	201.6	201.5	200.7	195.1	195.0	190.3
1958	193.0	185.2	186.9	196.7	209.6	202.6	201.1	200.4	202.1	207.0	207.9	210.5
1959	204.2	214.2	222.7	223.4	216.0	215.5	221.2	217.1	225.0	217.1	211.3	212.1
1960	216.0	215.1	210.5	196.2	202.2	205.6	202.9	205.7	201.8	203.1	208.9	204.2
1961	204.5	205.4	205.4	210.1	213.8	215.3	212.6	216.8	215.8	218.2	217.0	215.4
1962	210.3	217.8	224.1	229.3	231.7	239.2	242.3	236.1	226.6	241.1	233.0	232.1
1963	231.0	216.2	224.2	228.4	243.5	235.2	235.3	237.0	249.0	237.3	237.2	230.7
1964	246.3	271.6	260.7	269.2	260.4	260.1	262.5	269.1	267.3	274.2	281.6	290.9
1965	283.3	283.5	285.8	277.4	281.8	285.3	290.1	285.3	291.4	287.9	294.4	298.3

CHART-15

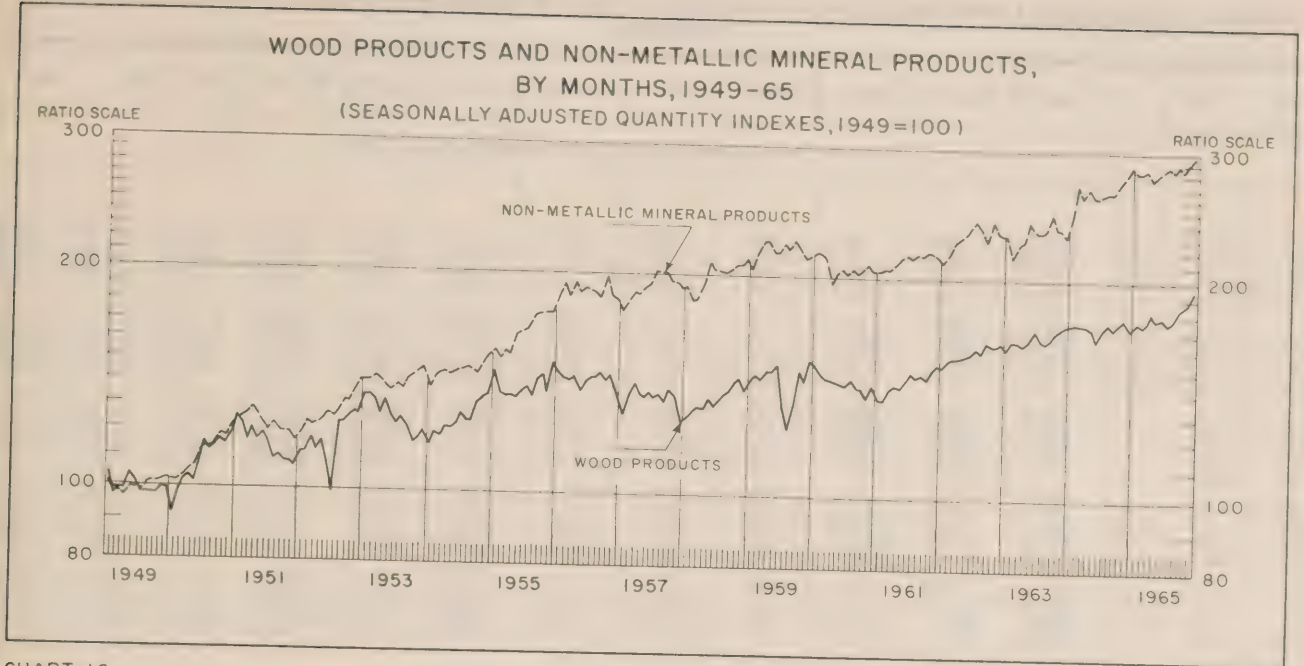


CHART-16

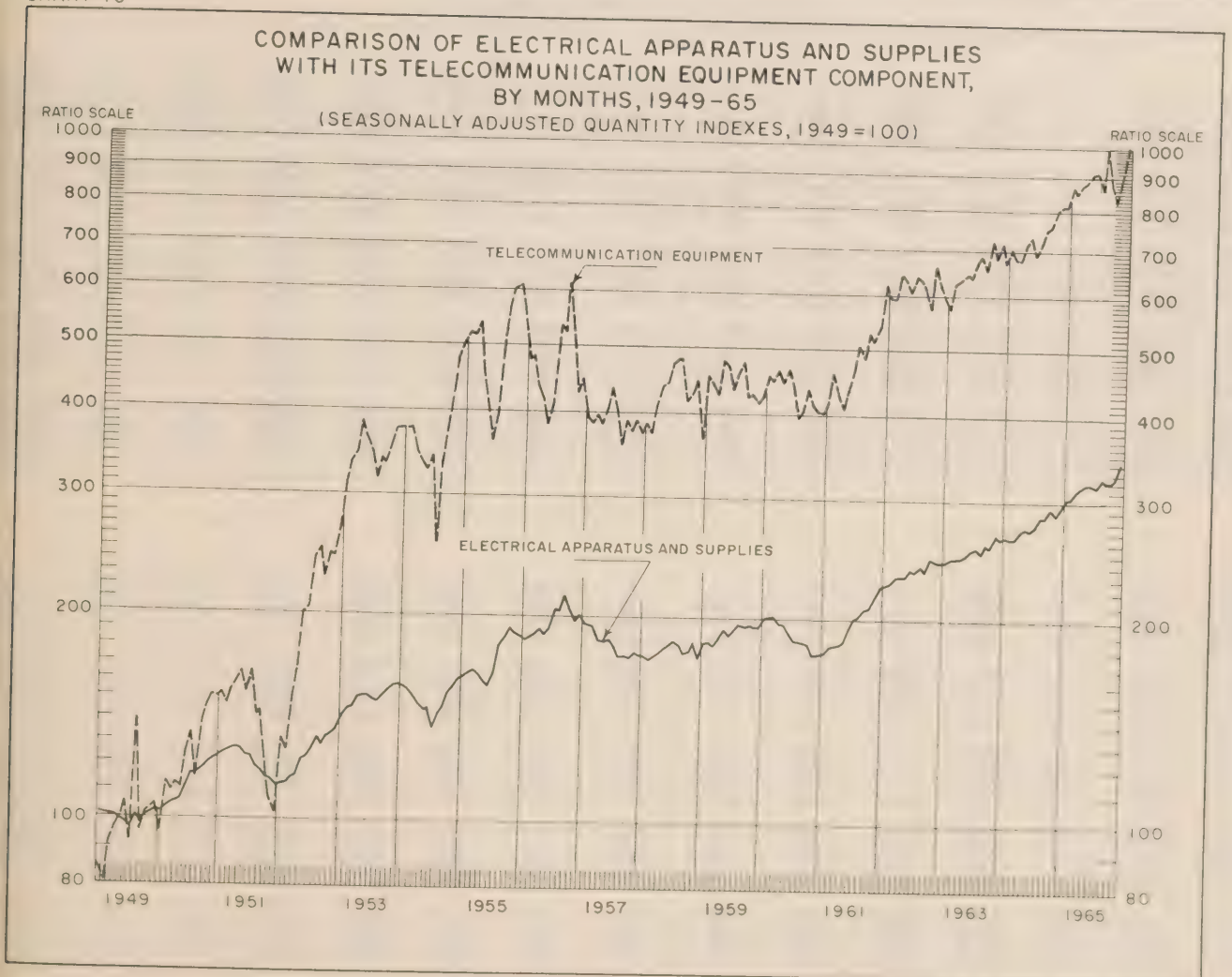


TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Concrete products (1949 percentage weight 0.098)												
1946	45.2	46.5	49.6	50.9	52.8	51.8	51.4	51.8	55.0	52.9	54.1	50.7
1947	59.3	58.1	55.6	46.9	48.8	57.4	77.8	62.3	61.3	66.8	66.5	79.9
1948	70.8	75.2	77.6	81.3	79.3	79.1	76.0	84.3	83.0	79.7	83.9	83.1
1949	98.8	106.7	103.9	94.8	98.7	97.6	96.8	98.1	101.0	99.4	106.1	103.4
1950	104.4	97.1	96.1	111.3	117.9	118.9	124.9	119.5	120.0	125.6	122.7	130.1
1951	151.9	139.6	148.1	148.1	134.4	134.8	119.0	133.0	127.0	131.9	123.8	120.9
1952	129.8	166.4	180.7	170.9	176.2	181.2	177.8	186.2	193.9	184.1	194.9	200.3
1953	201.8	180.8	186.1	183.1	165.7	160.0	180.5	173.8	187.2	194.8	214.0	221.2
1954	176.4	201.1	209.6	209.4	216.3	232.7	240.0	248.3	248.9	236.7	251.1	270.1
1955	278.2	257.9	267.0	269.6	298.3	301.2	300.8	312.7	322.3	329.6	340.2	333.6
1956	380.0	397.8	356.7	380.1	374.8	390.8	391.3	401.4	368.2	473.4	382.0	335.1
1957	283.2	364.6	381.6	383.3	414.0	394.8	407.9	425.0	420.8	404.0	422.0	436.3
1958	449.8	375.2	396.6	456.8	533.4	485.4	485.8	469.3	468.3	476.7	475.2	471.5
1959	453.3	507.8	559.6	528.9	489.0	499.5	525.1	499.0	546.7	526.1	484.1	507.0
1960	533.6	499.2	488.0	424.9	466.2	491.6	495.7	493.6	489.6	483.1	528.5	509.1
1961	517.4	604.1	556.3	549.2	557.7	561.0	529.6	556.0	547.3	541.4	539.8	554.5
1962	477.9	512.0	573.4	608.6	623.9	641.3	664.2	675.7	593.9	731.7	658.4	579.3
1963	603.9	537.2	583.9	603.7	669.5	607.8	602.3	593.1	722.0	617.2	637.2	659.4
1964	730.2	845.1	752.9	795.7	784.1	780.9	800.0	837.3	804.2	822.1	868.6	925.1
1965	830.8	838.0	850.0	835.9	852.4	850.7	873.8	846.3	871.4	853.9	879.3	905.3
Hydraulic cement (0.117)												
1946	62.1	61.3	61.9	64.1	64.2	65.7	66.4	67.3	69.3	69.8	71.0	72.6
1947	70.9	67.2	69.8	73.5	72.8	75.4	75.6	76.9	80.1	80.5	81.7	84.0
1948	83.9	89.8	86.4	82.4	82.4	86.2	87.7	91.8	87.0	92.4	91.3	84.2
1949	93.9	97.9	101.2	98.6	98.1	101.4	96.2	102.5	101.9	102.0	102.0	103.4
1950	105.3	97.3	99.0	98.1	103.8	104.0	109.9	105.0	104.6	108.2	105.0	108.1
1951	106.2	107.1	106.8	113.4	109.1	103.0	105.2	106.5	106.5	106.4	106.4	102.6
1952	115.2	116.7	111.0	113.5	109.7	110.5	110.0	109.9	114.9	112.3	123.7	130.3
1953	127.3	140.0	142.2	135.8	137.9	137.8	142.1	138.0	135.2	141.1	144.2	152.7
1954	136.7	141.6	146.8	154.0	139.1	144.3	132.9	129.6	137.2	138.8	142.1	150.3
1955	152.8	153.5	152.2	133.4	154.3	153.0	159.8	168.6	172.2	159.0	161.5	148.1
1956	180.2	175.3	179.1	201.8	182.6	180.5	173.0	173.0	167.5	184.9	184.6	209.1
1957	223.2	214.3	219.1	198.1	202.0	211.8	251.7	236.9	234.8	223.8	225.7	194.7
1958	204.4	221.2	206.5	228.7	230.4	241.5	216.5	220.4	217.1	232.7	229.1	229.7
1959	201.4	192.1	209.3	231.5	230.0	229.2	246.7	231.2	244.9	209.5	207.3	205.3
1960	176.0	207.1	200.3	179.3	196.1	203.7	203.7	216.7	204.7	218.5	211.5	205.9
1961	213.4	174.2	193.6	217.6	232.3	227.4	215.7	220.8	222.2	217.0	206.7	192.2
1962	218.4	233.7	241.3	227.1	235.9	250.9	247.6	238.1	252.1	236.7	232.5	279.6
1963	258.3	227.1	225.1	241.7	251.8	250.6	252.4	260.3	250.2	268.4	243.9	176.2
1964	223.4	281.7	266.6	299.8	273.7	265.8	271.2	269.2	276.3	289.3	303.0	295.4
1965	329.1	297.4	319.4	294.1	296.9	296.2	297.5	278.4	282.2	296.0	307.7	306.1
Domestic clay products (0.083)												
1946	72.5	75.2	77.2	82.8	85.7	89.5	93.1	93.3	94.6	89.7	86.8	91.2
1947	91.2	90.2	91.7	90.3	90.6	90.1	87.8	86.2	89.8	95.9	97.3	93.2
1948	87.2	94.2	95.7	100.2	99.8	103.7	104.2	106.1	107.0	106.3	108.2	113.5
1949	107.5	106.4	104.4	100.3	100.5	93.2	95.9	96.7	95.2	97.3	104.9	103.6
1950	104.7	106.0	106.3	105.3	109.1	119.5	116.3	119.2	121.9	122.3	118.1	121.6
1951	124.8	126.1	127.3	132.1	124.7	119.8	124.9	121.0	116.8	118.4	111.7	104.4
1952	109.3	105.0	106.1	109.7	110.8	117.6	114.6	116.1	122.2	122.5	121.4	130.8
1953	123.2	133.4	136.1	131.5	131.3	126.2	126.5	125.6	130.7	130.2	136.3	141.1
1954	139.5	140.6	138.8	134.5	138.2	133.8	138.0	137.7	134.7	121.6	140.9	145.3
1955	145.8	137.5	138.9	144.2	149.8	146.8	146.6	148.0	144.5	156.2	143.2	154.5
1956	170.3	174.3	158.0	164.8	157.9	161.3	158.8	152.3	156.2	141.4	143.5	138.1
1957	125.5	116.0	136.9	140.9	130.8	149.4	145.4	152.5	149.8	149.7	140.6	132.6
1958	140.0	130.3	149.6	146.9	152.5	151.4	154.3	157.0	160.4	160.9	170.9	164.9
1959	162.3	175.9	165.1	156.9	159.2	153.3	156.6	164.5	156.5	161.8	165.5	160.9
1960	177.4	178.3	167.5	162.6	155.8	141.5	139.0	127.8	124.2	129.9	125.3	134.1
1961	120.5	122.4	124.8	132.9	132.8	142.3	144.2	143.2	147.5	145.4	138.0	141.3
1962	142.4	143.9	136.1	134.2	141.3	142.6	139.8	141.0	141.8	137.5	136.7	145.3
1963	131.5	122.3	121.4	118.5	127.7	143.7	136.3	127.3	132.7	131.2	134.1	119.5
1964	120.4	137.6	144.6	144.8	142.1	134.8	135.3	141.8	134.6	139.8	143.6	140.9
1965	158.9	142.5	142.7	141.3	137.4	137.8	140.2	139.0	145.4	142.9	142.7	153.9

TABLE 1. SEASONALLY ADJUSTED Indexes of Industrial Production, by Months, Jan. 1946 - Dec. 1965 - Concluded
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total electric power and gas utilities (1949 percentage weight 1.646)												
1946	79.4	78.3	77.4	78.0	78.1	78.1	77.5	78.1	78.5	81.1	84.3	84.7
1947	77.5	83.0	84.7	86.3	87.0	90.8	96.4	98.5	97.8	93.5	91.9	91.1
1948	93.1	92.6	93.7	93.7	94.9	95.4	95.0	95.5	95.5	96.1	95.4	95.8
1949	95.5	96.1	97.9	99.4	99.6	101.0	101.1	102.0	101.9	101.1	102.4	103.3
1950	105.2	106.3	107.2	108.9	110.8	112.1	114.2	115.9	117.8	118.9	120.4	121.9
1951	122.5	123.8	125.1	126.4	128.2	129.8	130.6	131.4	129.2	134.9	136.4	135.8
1952	137.5	138.1	138.6	138.8	140.1	139.7	141.6	142.9	144.2	144.5	140.2	143.0
1953	147.9	146.7	145.9	147.2	147.1	147.3	147.8	146.7	147.7	148.9	149.2	152.0
1954	151.8	152.5	155.6	157.5	158.2	161.5	162.9	163.3	166.6	168.4	170.2	172.2
1955	174.6	177.1	179.2	177.7	177.9	180.7	180.6	186.4	187.4	184.7	194.1	194.9
1956	191.9	192.8	194.3	197.4	204.3	205.5	207.4	211.5	212.0	215.7	211.0	212.1
1957	215.0	214.4	214.5	217.2	216.3	213.7	223.2	220.1	221.7	225.8	229.6	228.4
1958	233.9	236.3	235.8	236.0	235.8	236.8	241.4	240.3	242.3	245.4	249.6	260.2
1959	260.7	262.5	262.2	270.0	268.4	271.4	272.5	274.0	281.7	287.1	291.9	288.2
1960	290.1	291.8	300.0	295.2	294.1	298.1	297.6	304.5	304.5	299.6	302.7	305.7
1961	304.3	304.9	304.5	311.3	318.1	318.6	319.4	320.8	325.0	328.2	324.0	326.2
1962	331.7	334.3	336.5	333.5	341.8	340.0	339.4	348.3	341.7	341.4	342.7	333.1
1963	348.7	353.3	350.9	351.8	365.2	365.4	372.1	372.9	376.0	377.0	388.4	393.3
1964	391.1	385.8	394.0	402.0	392.5	409.1	412.1	408.6	419.4	420.3	416.9	430.1
1965	428.0	437.4	438.0	437.1	434.9	437.6	438.8	451.5	456.0	471.2	478.0	471.6
Electric power (1.480)												
1946	78.5	77.4	76.8	77.3	76.7	76.7	75.8	76.1	76.6	79.4	83.3	83.8
1947	75.9	81.8	83.4	85.4	86.3	90.1	96.5	99.1	98.3	93.6	91.4	90.5
1948	92.7	92.3	93.0	93.0	94.3	94.9	94.8	94.0	94.7	95.3	94.8	96.3
1949	95.5	96.0	98.0	99.9	99.8	100.8	100.7	101.6	101.4	100.7	102.5	103.4
1950	104.9	106.5	107.5	108.5	110.9	112.5	114.8	116.7	118.7	119.8	121.5	123.0
1951	124.2	125.0	126.5	128.3	130.2	131.7	132.3	132.9	130.5	136.8	137.7	137.8
1952	140.5	141.1	141.1	141.9	143.5	142.4	144.3	145.7	146.7	146.2	142.5	145.7
1953	151.2	150.1	149.5	150.4	149.6	150.1	150.7	149.6	150.6	152.1	152.4	155.4
1954	153.8	154.7	158.7	159.8	160.5	164.4	165.7	165.8	169.5	171.6	174.2	176.9
1955	179.8	182.0	183.7	182.8	183.6	186.3	186.0	192.2	192.8	189.1	198.1	198.2
1956	195.1	197.4	198.2	201.9	208.0	210.1	212.4	216.8	217.4	220.5	216.1	216.0
1957	219.3	218.0	219.3	221.1	220.1	217.2	227.7	223.9	225.9	228.8	232.0	232.2
1958	236.9	238.2	237.6	237.4	239.5	239.0	243.6	242.9	243.6	246.7	249.5	256.0
1959	254.0	257.2	257.8	267.1	264.1	267.1	266.8	267.8	273.3	277.9	280.6	279.1
1960	281.3	283.7	288.4	285.2	284.8	289.3	289.1	291.8	293.6	287.2	288.5	289.4
1961	287.9	288.2	289.3	292.8	295.3	297.1	299.8	300.3	304.3	305.2	303.1	304.5
1962	309.6	311.9	313.4	312.8	321.2	317.8	312.4	320.3	312.7	313.9	312.8	307.1
1963	320.8	322.3	322.2	328.0	335.2	335.9	342.0	343.3	346.5	351.4	361.0	363.0
1964	359.4	359.1	363.6	368.1	359.1	367.6	376.4	371.1	382.1	380.0	381.0	390.9
1965	392.6	398.3	399.7	396.3	396.7	401.0	400.2	413.7	414.5	428.4	433.0	429.4
Gas utilities (0.166)												
1946	87.0	86.3	82.8	84.6	90.5	91.0	92.9	96.4	95.7	96.8	93.5	92.7
1947	92.3	93.8	96.2	94.3	93.7	96.7	95.8	93.3	93.8	92.2	96.6	96.2
1948	97.1	95.8	99.8	100.5	100.5	100.0	96.4	108.8	102.3	103.2	100.6	101.4
1949	95.6	96.9	96.9	94.6	98.1	102.9	105.1	105.9	106.5	104.2	101.2	102.3
1950	108.2	104.7	104.1	112.0	110.0	108.2	108.5	109.1	109.6	110.9	110.8	112.0
1951	113.2	113.2	112.4	109.0	110.0	112.8	115.1	118.2	117.5	118.2	124.4	118.4
1952	110.7	111.1	116.2	111.5	110.2	115.9	117.8	118.4	121.5	129.5	119.8	119.2
1953	118.4	116.1	114.2	118.3	125.2	122.5	122.3	120.7	122.0	120.2	121.0	121.8
1954	134.3	132.6	127.7	136.8	137.2	135.3	138.0	140.7	140.7	139.7	134.7	130.6
1955	128.4	133.1	139.3	132.1	127.2	131.2	132.9	134.5	139.5	145.3	158.3	165.7
1956	162.9	151.4	159.8	157.0	171.5	164.5	163.1	164.1	163.4	172.9	165.6	177.2
1957	176.3	182.8	172.2	182.6	182.2	182.6	182.6	186.6	184.0	199.3	208.2	194.9
1958	207.0	219.3	219.3	223.7	203.1	216.7	222.2	216.9	230.8	233.6	250.0	297.7
1959	320.1	309.7	301.3	295.8	306.3	310.1	323.7	329.7	356.5	369.4	392.5	369.4
1960	368.7	364.2	403.3	384.3	377.5	376.5	373.6	417.4	401.8	410.6	429.6	450.8
1961	450.3	454.0	440.5	476.7	521.8	510.6	494.2	504.0	510.0	533.1	510.5	519.8
1962	528.6	534.4	542.5	518.2	525.1	538.4	579.9	598.2	600.7	586.3	609.0	564.5
1963	597.8	629.3	606.5	632.9	632.4	628.3	640.4	636.6	638.6	605.3	632.3	663.2
1964	673.8	628.6	664.9	703.9	689.9	779.0	729.9	742.9	752.4	779.7	736.9	779.3
1965	743.7	786.1	779.7	800.4	775.5	764.0	783.4	788.7	825.6	852.9	879.3	847.4

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Index of Industrial Production (1949 percentage weight 32.231)													
1946	78.9	81.4	82.8	83.3	84.3	86.1	81.7	83.2	85.0	86.6	88.5	83.7	83.8
1947	85.6	88.5	90.0	89.9	91.7	94.2	90.6	92.9	94.5	95.5	96.3	89.2	91.5
1948	90.6	93.6	94.3	96.4	97.2	98.0	93.4	96.2	100.4	101.6	100.6	94.6	96.4
1949	95.0	97.8	98.5	98.3	100.6	102.8	97.7	100.0	104.1	104.2	102.6	98.4	100.0
1950	96.4	101.6	101.5	102.0	104.5	110.2	107.1	106.0	115.1	116.5	116.4	110.7	107.3
1951	111.9	117.0	117.3	118.5	120.9	122.5	114.7	117.2	120.3	119.7	118.1	110.1	117.4
1952	112.7	116.7	118.7	118.6	123.0	125.0	118.4	122.6	128.6	130.6	130.5	122.9	122.4
1953	124.9	131.1	132.7	131.7	134.4	135.1	129.8	129.9	135.1	134.1	131.8	124.9	131.3
1954	125.9	132.1	129.8	128.0	130.6	133.8	126.8	131.0	134.6	135.8	135.8	129.4	131.1
1955	131.4	137.4	139.7	138.8	145.5	150.7	143.6	148.2	153.3	155.3	155.7	146.6	145.5
1956	146.9	152.3	155.3	158.0	159.7	167.8	160.6	161.7	167.6	169.2	170.3	159.1	160.7
1957	157.5	164.4	165.6	161.6	165.8	170.9	162.6	165.0	165.7	164.4	165.0	151.5	163.3
1958	153.0	158.9	158.5	158.5	164.6	167.7	160.6	161.5	167.0	167.5	171.3	159.7	162.4
1959	163.3	172.3	170.8	173.2	176.8	183.0	173.7	175.1	185.1	188.6	183.5	173.3	176.5
1960	177.8	182.1	182.4	175.9	181.6	185.8	173.6	175.2	183.3	184.5	183.7	171.3	179.8
1961	172.3	179.1	177.1	179.2	184.5	193.3	180.7	186.2	197.4	198.4	199.3	186.8	186.2
1962	187.6	196.5	197.4	194.8	203.9	210.7	197.3	199.9	211.2	212.0	211.6	197.0	201.7
1963	199.8	209.0	210.5	208.0	217.5	224.2	202.2	209.5	227.0	227.0	231.4	219.1	215.3
1964	223.7	233.2	229.8	233.9	236.3	244.3	220.0	229.7	244.2	244.8	249.6	234.5	235.3
1965	239.8	247.1	250.7	247.8	253.6	260.7	241.0	247.5	263.7	268.7	274.0	263.9	254.9
Total mining (3.245)													
1946	72.3	73.7	74.3	75.7	72.1	74.5	72.3	73.7	76.8	78.0	76.9	71.7	74.3
1947	72.2	70.5	73.1	72.9	73.0	81.5	79.9	80.4	81.4	88.6	86.0	81.7	78.5
1948	76.0	79.1	82.2	91.8	89.3	89.9	90.6	92.4	94.7	99.9	101.5	93.0	90.0
1949	91.8	93.7	89.8	86.7	96.8	99.5	99.7	104.3	110.6	112.3	109.6	105.2	100.0
1950	96.0	106.9	104.7	102.0	106.3	109.5	106.3	102.9	118.1	123.0	126.0	110.4	109.3
1951	113.1	113.7	109.4	112.3	125.2	132.5	125.7	130.4	133.8	133.8	131.0	120.6	123.5
1952	119.6	117.9	118.4	122.2	132.3	136.2	132.8	135.0	142.7	146.3	139.7	135.6	131.6
1953	133.6	134.5	131.8	137.4	141.0	147.4	150.1	148.3	156.4	147.8	150.6	140.7	143.3
1954	147.4	156.2	140.7	141.6	149.8	159.6	159.7	165.5	173.9	173.6	171.7	166.9	158.9
1955	165.3	171.0	168.2	152.7	175.4	193.1	198.7	203.4	204.8	215.1	211.2	194.1	187.8
1956	200.0	202.8	200.5	189.6	205.5	225.5	227.3	237.3	235.2	240.2	240.1	215.3	218.3
1957	214.5	224.3	222.5	222.4	238.1	256.1	252.5	261.1	261.3	248.5	232.5	238.3	239.3
1958	234.0	245.3	233.2	233.9	235.0	237.8	254.5	247.7	262.9	250.0	244.9	240.8	243.3
1959	250.3	264.9	256.1	253.8	256.7	277.9	288.4	285.3	308.4	301.3	286.3	275.6	275.4
1960	274.2	284.0	277.0	252.9	271.7	283.7	285.9	278.9	291.7	278.4	271.6	257.8	275.6
1961	266.2	274.3	251.9	261.0	279.3	291.1	283.2	292.9	312.6	302.3	299.8	281.2	283.0
1962	288.3	293.3	290.2	280.0	307.9	311.8	315.8	321.1	328.0	319.2	309.3	291.9	304.7
1963	294.1	309.2	308.2	295.3	328.3	329.1	304.9	317.8	345.2	335.4	330.6	321.2	318.3
1964	347.0	341.8	325.0	330.3	350.8	371.1	341.8	345.8	358.6	358.6	354.0	331.9	346.4
1965	358.3	344.5	351.8	344.4	354.5	369.7	358.7	379.3	399.4	371.5	384.1	371.3	365.6
Total metal mining (1.925)													
1946	70.6	72.1	73.9	76.9	70.4	75.0	75.0	72.5	73.8	74.5	74.1	70.1	73.2
1947	69.5	72.9	80.4	80.2	79.9	86.1	81.7	81.1	76.8	85.5	81.3	79.5	79.6
1948	79.0	83.1	82.4	91.6	89.2	87.6	87.8	88.0	90.4	93.9	96.3	91.8	88.4
1949	89.3	96.2	96.4	93.6	102.5	104.8	98.7	102.0	101.6	104.6	102.6	107.6	100.0
1950	92.3	103.3	97.6	100.5	104.4	104.8	103.0	99.0	110.3	109.8	111.6	101.8	103.2
1951	104.6	104.6	105.6	105.5	107.2	113.0	106.3	109.9	111.2	109.1	111.4	108.9	108.1
1952	105.7	105.8	109.8	111.1	109.5	112.9	108.8	114.1	114.1	116.0	114.0	114.8	111.4
1953	117.9	122.6	121.4	125.0	121.9	123.7	119.1	115.6	119.7	113.6	112.5	103.0	118.0
1954	119.2	126.4	125.3	130.5	128.4	128.7	124.9	131.0	137.0	138.6	138.9	131.3	130.0
1955	128.8	136.1	134.7	127.9	139.9	152.6	156.0	165.3	163.4	167.0	155.6	140.1	147.3
1956	140.2	138.8	138.7	136.7	162.3	182.4	178.4	177.1	176.7	175.7	172.2	142.1	160.1
1957	141.1	156.9	160.5	159.1	175.8	203.2	201.9	222.1	222.3	208.9	198.0	211.0	188.4
1958	190.5	201.3	197.1	216.1	208.5	213.3	227.6	223.7	241.1	212.2	200.8	192.5	210.4
1959	198.6	220.1	220.4	228.0	232.2	243.9	264.8	259.1	274.9	276.3	257.1	234.6	242.5
1960	224.5	251.2	234.5	219.7	225.2	244.4	253.5	251.1	252.8	245.0	223.3	211.9	236.4
1961	214.1	220.2	202.4	204.4	213.3	232.8	222.2	228.4	244.5	241.2	221.1	200.1	220.4
1962	202.9	203.8	201.7	207.8	237.1	250.4	247.2	248.0	248.5	232.8	220.5	202.0	225.2
1963	191.8	207.5	210.9	221.8	253.7	246.2	217.3	231.3	258.0	240.0	234.7	216.5	227.5
1964	235.9	240.2	222.4	251.9	260.0	280.5	242.5	257.1	261.2	253.9	235.3	207.4	245.7
1965	240.5	224.0	236.8	236.4	258.3	262.4	252.8	254.4	276.3	251.3	256.1	245.1	249.5

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Gold (1949 percentage weight 0.575)													
1946 ¹													
1947 ¹													
1948 ¹													
1949	90.8	98.8	97.5	96.5	98.2	100.8	95.3	101.3	104.3	108.1	104.6	103.7	100.0
1950	100.4	107.8	104.4	108.5	101.9	104.4	105.3	104.0	105.1	108.6	108.8	109.1	105.7
1951	102.2	108.2	103.2	108.9	103.1	103.9	97.6	93.5	106.5	105.0	106.4	108.5	103.9
1952	97.5	105.0	105.8	105.2	102.8	107.5	104.9	106.8	108.9	112.8	117.0	108.3	106.9
1953	101.9	110.0	106.9	105.4	104.8	102.8	100.4	95.2	98.0	83.0	85.6	80.9	97.9
1954	90.2	102.0	103.3	103.1	108.9	106.6	103.2	104.2	106.6	108.8	110.4	106.5	104.5
1955	104.2	109.1	104.9	105.6	109.8	105.7	109.4	104.3	111.4	113.6	111.1	103.4	107.7
1956	104.8	104.3	104.1	109.1	102.8	106.4	97.4	94.2	104.7	102.1	104.8	103.5	103.2
1957	97.7	104.9	105.2	105.3	105.2	107.1	99.1	98.9	112.0	109.5	108.1	105.5	104.9
1958	104.4	112.2	112.9	110.3	106.0	116.3	106.1	105.4	107.0	111.7	111.1	107.1	109.2
1959	105.6	111.4	108.4	108.1	109.1	103.7	105.3	100.0	103.6	110.5	116.0	104.8	107.2
1960	108.6	110.8	107.5	105.0	110.6	110.8	110.5	104.6	106.0	116.8	113.8	109.0	109.5
1961	108.4	111.1	108.2	111.0	105.3	104.3	101.7	98.8	98.8	104.1	103.4	103.6	104.9
1962	97.9	99.2	98.8	105.0	96.1	93.5	94.6	92.7	97.8	96.6	96.1	93.2	96.8
1963	89.7	95.4	91.8	94.8	95.2	95.8	83.7	90.2	94.8	93.8	93.0	85.9	92.0
1964	84.8	84.7	86.0	90.6	85.8	83.7	85.6	86.8	84.0	85.1	93.1	80.6	85.9
1965	83.9	81.3	79.7	87.5	79.6	84.1	73.2	80.5	79.0	81.3	80.6	76.4	80.6
Iron ore (0.099)													
1946 ¹													
1947 ¹													
1948 ¹													
1949	46.5	44.2	65.2	67.7	108.3	126.9	138.1	156.6	138.4	128.3	118.4	61.4	100.0
1950	32.4	93.1	62.2	55.6	95.6	111.2	119.1	130.8	140.2	147.9	104.6	66.5	96.6
1951	75.1	77.0	93.7	99.8	127.4	151.9	154.9	157.2	152.5	126.8	108.4	90.1	117.9
1952	89.0	107.8	113.8	101.5	112.3	175.7	203.7	199.0	176.9	166.1	123.4	79.6	137.4
1953	109.8	136.1	131.4	158.6	197.6	190.3	192.2	201.9	245.1	255.7	204.9	115.0	178.2
1954	137.6	142.4	171.9	165.3	151.7	178.6	182.9	274.6	390.9	308.9	246.7	95.4	203.9
1955	73.8	115.6	127.8	150.0	377.1	571.2	687.2	757.4	731.6	745.8	431.0	104.8	406.1
1956	153.7	144.8	92.3	151.2	535.8	802.2	846.2	965.8	837.9	842.6	747.6	115.3	519.6
1957	126.8	183.4	185.5	181.4	497.7	849.1	852.4	1,062.7	952.1	674.3	412.3	551.5	544.1
1958	215.9	327.4	169.8	425.2	333.1	67.6	722.8	648.0	836.0	581.8	242.7	169.7	395.0
1959	166.9	190.6	196.9	253.7	523.6	861.4	825.3	922.0	1,106.3	1,046.5	728.5	230.8	587.7
1960	225.5	243.2	240.3	265.4	727.2	1,017.3	980.7	1,038.2	935.3	704.9	321.0	246.8	578.8
1961	266.8	281.4	253.5	298.4	519.6	757.5	758.7	918.2	970.9	922.2	400.8	356.5	558.7
1962	314.7	309.1	328.5	486.7	1,021.2	1,192.5	1,250.3	1,240.6	1,196.6	983.6	566.7	481.7	781.0
1963	342.9	553.4	608.3	739.2	1,351.7	1,143.4	1,067.3	1,106.3	1,351.2	1,030.5	884.0	823.3	916.8
1964	629.9	772.7	861.3	980.6	1,446.4	1,538.8	1,508.7	1,500.9	1,687.3	1,445.6	1,009.2	842.3	1,185.3
1965	847.7	846.7	921.7	1,045.1	1,371.9	1,404.2	1,540.7	1,503.5	1,505.1	1,489.8	1,252.9	1,112.3	1,236.8
Copper (0.352)													
1946	70.3	66.9	71.3	72.6	68.3	69.3	68.4	66.0	65.7	67.3	80.7	71.2	69.8
1947	64.2	74.2	95.3	91.7	91.9	89.1	87.6	80.1	80.7	100.7	87.5	84.8	85.7
1948	91.2	91.0	94.0	96.3	92.5	94.4	87.0	81.3	90.7	91.3	93.7	93.4	91.4
1949	93.2	106.5	98.1	104.2	96.9	93.7	96.0	101.8	102.2	99.6	101.9	105.8	100.0
1950	98.4	111.6	99.8	102.8	99.9	94.2	95.3	95.4	96.7	99.4	108.3	101.7	100.3
1951	102.1	100.4	108.8	110.5	105.4	104.7	100.8	101.6	100.8	93.7	102.3	98.9	102.5
1952	100.6	97.7	100.5	102.0	101.7	95.8	89.1	94.1	99.9	94.5	98.7	100.0	97.9
1953	106.4	103.0	107.4	102.4	99.6	102.0	101.8	95.8	90.5	85.0	79.7	79.4	96.1
1954	77.7	91.4	119.5	127.8	125.0	120.8	119.1	120.0	109.9	122.1	121.7	123.8	114.9
1955	118.4	124.8	120.2	116.9	115.4	127.4	118.8	121.1	127.8	123.6	125.4	144.6	123.7
1956	134.5	128.3	141.5	128.3	131.5	134.2	139.0	128.3	143.8	133.8	137.5	135.8	134.7
1957	115.9	144.1	137.5	128.6	118.3	123.3	117.2	133.8	154.4	139.3	164.8	158.5	136.3
1958	146.5	151.0	152.8	150.6	144.6	148.5	138.0	136.9	126.8	99.7	92.8	84.0	131.0
1959	108.6	136.4	143.3	146.8	144.2	169.2	159.7	155.1	163.5	159.3	161.3	152.8	150.0
1960	161.9	170.0	173.0	160.5	167.0	172.9	166.5	169.0	158.6	160.3	173.7	167.4	166.7
1961	161.0	160.1	155.7	158.5	160.4	174.4	167.2	166.3	172.4	180.1	182.5	161.8	166.7
1962	151.9	161.3	165.9	157.6	166.7	175.4	178.1	191.3	187.0	170.8	205.8	171.4	173.6
1963	156.3	155.9	165.0	166.4	162.2	183.8	159.8	176.7	191.2	188.2	194.5	161.7	171.8
1964	176.6	171.5	180.4	178.2	182.7	200.6	185.2	201.7	180.6	191.6	213.4	191.2	187.8
1965	185.1	183.9	185.5	189.7	212.9	193.3	206.2	192.1	197.0	179.3	222.1	200.1	195.6

¹ This series has been revised for the period from 1949 to 1965. Since a break occurs between the years 1948 and 1949, indexes are not shown for the period 1946-48. (See technical note beginning page 7).

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Nickel (1949 percentage weight 0.333)													
1946	64.1	63.7	72.7	88.5	68.3	72.8	75.3	71.5	76.5	79.8	83.7	78.7	74.6
1947	89.4	87.0	92.0	95.2	90.8	93.4	90.0	91.2	72.0	105.6	93.8	105.0	92.1
1948	99.4	95.3	96.5	125.7	104.7	98.9	95.9	83.1	93.7	94.7	120.9	120.2	102.4
1949	103.1	110.6	116.3	105.3	102.9	100.9	88.5	91.6	90.9	99.1	92.2	98.5	100.0
1950	93.6	97.0	85.2	106.0	100.7	102.1	85.6	70.6	110.8	94.7	112.6	94.4	96.1
1951	100.6	98.0	106.9	100.4	114.8	112.6	108.4	112.8	110.7	107.7	109.5	104.1	107.2
1952	108.4	105.0	113.6	116.7	113.9	119.1	95.6	109.8	104.1	108.0	107.9	108.4	109.2
1953	114.5	107.7	112.3	112.1	106.3	110.7	108.1	109.1	113.9	114.1	120.7	110.9	111.7
1954	116.8	120.0	124.6	123.1	123.2	125.5	118.1	122.9	127.9	131.1	133.9	136.8	125.3
1955	131.7	135.1	142.2	142.0	140.5	139.8	132.5	135.2	129.9	131.3	135.0	135.7	135.9
1956	137.4	146.8	142.1	136.6	139.3	137.1	138.6	136.1	137.4	135.2	142.3	135.7	138.7
1957	151.4	151.2	152.4	144.4	147.7	145.5	144.4	152.5	146.8	142.3	137.2	137.6	146.1
1958	151.8	159.4	144.0	141.8	138.3	137.1	116.7	114.1	110.9	30.7	27.2	28.9	108.4
1959	73.8	127.6	136.8	146.8	152.4	157.4	148.6	154.0	153.6	157.8	160.0	171.3	145.0
1960	159.6	161.0	163.2	166.1	157.9	174.2	160.6	175.7	172.9	165.3	167.6	176.4	166.7
1961	166.6	170.4	156.4	157.0	178.0	182.5	184.8	181.8	197.9	200.5	211.0	185.5	181.0
1962	191.8	182.3	195.8	179.8	187.4	174.9	171.6	180.8	179.3	149.7	191.3	181.2	180.5
1963	165.2	174.7	174.8	185.5	181.0	164.2	131.3	165.7	170.5	168.2	168.3	174.0	168.6
1964	161.9	183.7	170.2	185.2	192.9	182.2	162.2	168.6	161.4	186.0	201.9	215.9	181.0
1965	213.5	209.9	219.2	221.0	215.9	203.3	198.2	207.3	189.8	198.9	214.2	227.8	209.9
Non-metals (0.268)													
1946	76.0	75.9	85.5	99.2	96.3	92.7	96.5	108.7	111.3	116.6	109.0	91.5	96.6
1947	90.2	100.1	113.9	111.5	104.2	101.1	106.0	122.0	118.4	122.9	117.2	102.6	109.2
1948	94.7	109.7	102.6	128.6	121.2	106.7	117.1	136.9	139.2	136.3	127.6	105.5	118.8
1949	109.0	71.5	30.5	33.8	57.1	64.2	136.0	142.9	151.1	153.6	134.0	116.3	100.0
1950	111.8	127.2	115.7	132.1	133.5	130.7	120.7	154.7	163.9	173.6	165.4	139.8	139.1
1951	135.7	143.2	152.0	159.2	161.0	167.2	155.5	163.6	170.3	168.8	158.9	135.4	155.9
1952	138.1	151.2	151.2	149.3	157.4	161.8	146.5	158.7	173.4	180.0	156.9	132.2	154.7
1953	130.8	144.7	148.3	151.7	158.0	156.4	149.4	174.2	162.6	156.5	155.3	129.1	151.4
1954	120.2	144.6	148.9	153.7	147.4	157.7	148.1	175.6	190.8	193.8	167.6	143.3	157.6
1955	145.0	158.9	162.8	166.0	175.5	191.8	177.2	197.1	209.7	204.2	208.7	168.2	180.4
1956	181.5	186.4	190.0	200.7	202.8	180.6	187.4	197.6	195.2	195.1	206.6	159.3	190.3
1957	162.7	176.7	173.1	194.0	191.9	191.0	162.8	186.6	214.3	187.1	178.2	165.8	182.0
1958	138.5	153.8	159.4	161.2	166.6	163.8	149.9	182.7	200.1	222.6	210.5	159.5	172.4
1959	154.0	169.2	187.7	195.6	198.4	230.0	199.8	201.3	219.9	223.7	225.4	166.5	197.6
1960	163.8	179.1	188.8	190.0	211.9	201.8	178.2	192.0	215.4	217.0	232.3	187.6	196.5
1961	179.6	192.9	201.2	206.2	207.8	232.0	201.0	222.1	237.7	243.1	242.9	210.4	214.7
1962	193.3	205.5	220.2	226.6	227.4	242.8	218.1	237.1	254.2	272.5	270.7	234.7	233.6
1963	231.8	244.4	253.8	252.1	278.7	282.9	241.9	282.6	299.1	307.4	324.5	276.7	273.0
1964	257.8	275.2	283.3	312.5	320.3	319.2	302.0	314.9	340.0	351.3	365.8	311.2	312.8
1965	313.7	322.2	343.1	360.0	370.8	399.4	358.7	399.6	387.4	446.5	423.7	401.0	377.2
Asbestos (0.189)													
1946	83.4	82.1	92.6	106.4	101.6	95.1	100.2	112.3	114.0	119.8	110.4	94.9	101.1
1947	97.9	110.7	125.1	121.3	111.7	100.7	107.1	125.3	117.2	129.5	122.6	109.7	114.9
1948	102.4	123.8	114.9	140.5	127.8	104.4	113.1	140.0	143.8	137.0	132.6	113.4	124.5
1949	123.9	68.8	15.6	19.0	37.6	44.6	140.8	149.9	156.8	161.4	147.4	134.2	100.0
1950	132.5	147.9	138.5	154.3	147.7	134.4	117.4	162.4	171.0	180.4	175.4	159.7	151.8
1951	157.5	165.9	182.2	184.7	185.1	181.3	154.3	164.7	170.5	175.5	172.9	153.9	170.7
1952	165.8	178.7	178.8	178.5	180.3	160.1	149.3	158.9	180.8	195.4	178.4	152.8	171.5
1953	154.9	172.7	172.7	173.2	171.4	162.1	143.9	157.2	158.6	168.4	168.8	143.7	162.3
1954	135.0	165.6	173.6	174.1	164.7	148.8	140.3	173.6	195.5	196.7	181.4	164.5	167.8
1955	163.7	183.5	185.9	186.5	179.7	197.8	165.9	202.6	214.6	209.3	224.3	189.1	191.9
1956	180.2	195.6	199.5	206.6	212.1	174.0	182.2	201.5	194.3	193.5	207.0	158.6	192.1
1957	173.3	195.1	193.3	200.9	194.3	177.0	157.5	175.7	200.4	196.9	189.0	182.3	186.3
1958	151.2	170.3	170.0	170.3	161.6	155.5	143.6	181.7	209.3	230.1	226.0	158.0	177.3
1959	154.9	177.5	193.6	189.3	186.8	210.3	182.8	180.8	199.9	220.5	238.7	170.2	192.1
1960	170.1	188.6	206.7	203.4	216.0	203.3	167.7	188.5	224.2	210.6	236.0	193.1	200.7
1961	186.5	222.9	227.1	215.8	221.1	236.4	196.6	220.7	233.9	242.0	251.6	213.3	222.3
1962	207.7	235.1	248.0	237.2	238.0	243.4	212.0	245.0	242.4	252.2	243.0	197.9	233.5
1963	216.9	221.1	229.4	224.9	244.3	233.5	207.6	258.8	265.8	265.8	290.0	226.6	240.4
1964	222.0	243.3	247.1	272.2	264.5	266.2	244.5	257.7	262.4	283.8	302.0	253.1	259.9
1965	233.0	258.8	269.4	281.3	268.6	280.8	246.7	268.4	270.0	305.9	281.2	268.4	269.4

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total fuel mining (1949 percentage weight 0.915)													
1946	81.5	83.9	77.8	70.3	69.2	67.4	58.7	65.4	71.7	73.9	74.1	72.9	72.2
1947	78.8	61.4	50.3	47.3	47.1	60.9	61.8	62.5	75.0	79.1	85.8	81.6	66.0
1948	68.8	66.8	80.3	83.6	76.4	80.9	80.0	82.0	86.2	94.3	102.7	96.5	83.2
1949	100.3	103.0	99.6	90.2	91.0	90.6	83.8	90.1	113.0	114.5	120.1	103.8	100.0
1950	107.3	116.5	122.4	98.9	97.9	101.4	100.4	90.9	114.6	128.3	142.7	123.6	112.1
1951	132.3	130.7	108.3	111.9	145.7	154.1	145.9	156.4	163.5	166.4	161.5	144.9	143.5
1952	153.3	139.2	132.6	137.4	166.8	166.6	167.8	162.3	182.9	189.9	183.5	184.6	163.9
1953	174.7	165.0	155.4	161.4	171.9	190.5	207.8	202.8	223.8	207.9	224.6	226.3	192.7
1954	225.8	232.7	176.4	160.3	187.0	209.4	222.3	218.1	234.2	231.0	235.3	254.1	215.6
1955	259.3	260.6	249.8	202.4	241.7	266.9	285.4	274.3	277.8	310.5	326.7	321.1	273.0
1956	343.9	354.9	343.8	298.2	290.2	317.4	326.6	361.2	364.5	376.7	387.2	397.9	346.9
1957	399.6	391.5	371.6	365.6	372.4	369.7	371.1	351.6	346.9	340.7	315.4	327.4	360.3
1958	368.4	382.8	342.1	296.6	294.7	296.1	331.0	302.7	317.9	325.2	342.5	379.1	331.6
1959	405.2	403.4	362.9	327.0	312.3	346.4	346.2	348.9	391.9	362.5	362.2	406.5	364.6
1960	430.9	402.0	407.9	347.4	377.6	370.5	366.8	340.6	376.4	348.2	375.6	388.0	377.7
1961	419.4	429.0	382.3	403.6	432.1	421.2	425.5	431.6	462.1	430.0	478.4	485.3	433.4
1962	518.9	525.9	510.0	443.4	461.8	435.0	461.4	469.9	492.9	487.7	486.3	508.3	483.5
1963	546.2	560.7	544.1	464.8	485.4	497.0	484.9	469.1	516.6	521.2	525.2	564.3	516.6
1964	624.1	588.2	563.2	501.5	537.0	551.8	533.4	515.4	543.1	552.2	579.9	602.1	557.7
1965	636.7	618.4	604.5	565.1	530.8	558.8	550.2	603.5	630.5	569.1	616.3	629.7	592.8
Coal (0.553)													
1946	105.8	109.7	101.8	89.6	88.8	86.7	73.3	84.5	93.7	96.8	95.8	94.5	93.4
1947	103.6	73.7	56.5	52.0	52.1	75.8	78.0	79.0	98.0	102.9	110.7	102.5	82.1
1948	80.1	74.6	98.7	105.0	91.3	94.0	89.3	90.7	100.8	110.7	120.7	110.8	97.2
1949	113.9	110.7	101.5	81.4	89.4	87.7	76.4	80.3	108.6	116.7	128.0	105.5	100.0
1950	105.5	115.0	116.1	88.2	92.7	89.9	76.4	65.6	92.2	108.3	120.9	111.2	98.5
1951	111.6	106.1	89.0	94.3	86.7	86.5	72.9	77.3	96.0	106.2	120.2	100.3	95.6
1952	111.5	100.2	90.5	84.0	82.4	82.8	76.7	61.5	91.1	101.7	102.5	101.1	90.5
1953	100.3	86.3	80.0	72.3	72.9	74.6	70.1	53.9	80.3	94.9	99.6	93.0	81.5
1954	91.7	91.7	73.8	69.4	62.4	69.2	56.7	51.0	75.9	82.4	92.4	86.0	75.2
1955	82.9	79.8	79.9	61.4	67.4	61.2	52.7	51.2	75.0	83.6	99.9	94.2	74.1
1956	95.4	86.1	76.5	71.7	68.9	60.9	57.0	53.4	71.8	83.4	88.0	82.2	74.6
1957	76.2	81.5	64.1	61.9	58.3	53.9	45.1	46.3	65.6	82.7	76.7	72.6	65.4
1958	71.6	72.4	56.6	54.2	51.1	45.5	44.1	24.6	52.8	68.1	70.0	70.9	56.8
1959	67.9	52.6	40.7	53.9	34.6	38.2	46.8	28.2	58.1	67.7	69.4	63.6	51.8
1960	63.6	62.2	59.2	41.4	42.2	42.6	46.0	33.7	62.8	64.8	70.5	51.9	53.4
1961	55.8	54.5	41.2	45.8	50.7	46.3	41.3	26.1	52.8	63.7	63.2	57.6	49.9
1962	57.2	52.4	51.8	37.1	44.4	44.3	45.9	30.5	48.1	59.4	59.3	55.2	48.8
1963	63.7	61.0	48.4	47.7	49.2	43.7	44.0	32.2	53.7	58.3	61.8	59.1	51.9
1964	62.5	58.1	54.2	51.6	48.8	55.3	45.7	35.2	57.7	62.4	66.4	63.5	55.1
1965	70.4	64.7	62.2	55.6	49.4	51.7	40.3	36.1	56.3	58.9	68.7	61.3	56.3
Natural gas (0.035)													
1946	113.5	116.4	88.1	83.9	73.8	65.0	54.6	56.2	65.8	77.2	97.5	110.2	83.5
1947	116.5	137.1	112.1	95.9	81.3	68.5	59.0	56.4	66.7	75.5	107.7	120.7	91.5
1948	132.1	138.9	120.9	102.4	84.3	77.4	73.0	72.1	77.7	95.3	106.7	129.5	100.9
1949	136.2	135.1	108.7	93.5	87.3	78.7	70.0	71.6	81.3	95.0	102.4	140.6	100.0
1950	149.9	124.6	111.6	107.2	89.2	74.7	78.2	76.0	94.7	114.4	128.9	138.3	107.3
1951	151.0	146.9	130.0	119.9	104.2	101.3	87.3	93.0	107.7	136.7	125.1	142.6	120.5
1952	151.6	140.4	129.3	135.3	118.4	111.2	105.2	112.2	109.1	121.8	146.2	166.1	128.9
1953	207.8	187.3	173.4	153.0	122.9	106.2	91.1	94.0	113.4	137.2	180.0	207.2	147.8
1954	246.4	222.7	197.2	179.7	147.9	118.5	103.3	107.8	121.6	165.6	197.6	227.1	169.6
1955	243.1	251.0	241.3	185.4	157.6	136.3	128.7	134.1	170.1	200.8	278.6	327.1	204.5
1956	326.3	316.3	259.0	213.8	181.7	154.6	143.4	152.5	187.8	233.8	283.1	341.4	232.8
1957	383.7	372.0	314.9	294.8	220.9	202.4	182.7	182.4	229.9	319.6	377.6	401.7	290.2
1958	472.9	494.4	472.6	374.3	312.9	276.9	263.8	284.3	354.6	394.5	522.0	611.5	402.9
1959	658.3	591.5	532.2	446.2	406.4	368.0	330.3	359.1	414.3	483.3	615.7	654.3	488.3
1960	702.9	696.0	703.3	560.1	507.7	470.8	433.8	439.6	487.8	574.2	692.7	831.6	591.7
1961	845.1	808.0	769.3	697.0	612.4	558.1	521.9	553.8	601.4	692.7	834.6	1,022.3	709.7
1962	1,112.8	1,184.8	1,074.4	925.5	877.0	844.2	823.6	861.0	931.3	1,015.2	1,117.8	1,239.6	1,000.6
1963	1,368.4	1,394.0	1,234.8	1,148.9	1,060.8	994.3	972.2	985.3	1,088.8	1,146.0	1,331.3	1,432.9	1,179.8
1964	1,500.6	1,532.2	1,456.7	1,382.6	1,253.6	1,196.9	1,200.0	1,193.8	1,228.6	1,395.2	1,483.8	1,763.6	1,382.3
1965	1,678.5	1,651.7	1,619.1	1,476.5	1,391.4	1,336.8	1,247.3	1,292.4	1,276.9	1,435.6	1,597.0	1,713.2	1,476.4

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Petroleum (1949 percentage weight 0.327)													
1946	37.1	36.8	36.2	36.3	35.5	35.1	34.6	34.0	35.2	34.9	34.9	32.4	35.3
1947	32.8	32.4	33.1	34.2	34.9	34.9	34.7	35.4	37.1	39.3	41.5	42.1	36.0
1948	42.8	45.8	44.9	45.3	50.5	59.0	64.9	68.5	62.5	66.4	71.8	68.7	57.6
1949	73.4	86.5	95.4	104.7	94.2	96.7	97.8	108.7	123.7	113.0	108.6	97.0	100.0
1950	105.7	118.1	134.1	116.0	107.5	123.8	143.4	135.4	154.7	163.6	181.0	142.9	135.5
1951	165.3	170.7	138.6	140.8	249.9	274.2	275.5	296.9	283.6	271.5	235.3	220.5	226.9
1952	224.3	205.1	204.1	228.0	314.8	314.2	328.7	338.0	346.0	346.3	324.6	327.7	291.8
1953	297.1	295.8	281.0	313.1	344.7	395.5	453.2	466.3	478.2	406.6	440.9	453.7	385.5
1954	450.4	472.1	347.6	311.9	401.9	456.2	515.1	512.6	514.0	489.3	481.0	541.4	457.8
1955	559.3	567.3	537.9	442.8	545.5	628.7	695.8	666.5	632.3	706.1	715.3	704.2	616.8
1956	766.0	813.5	804.9	690.3	676.1	768.7	802.0	904.1	878.4	887.9	904.2	937.7	819.5
1957	948.1	917.9	897.7	886.8	919.8	921.6	942.5	885.9	835.1	779.4	712.5	750.4	866.5
1958	859.2	895.7	811.0	698.1	704.6	721.9	823.5	775.1	762.4	752.5	784.0	875.3	788.6
1959	948.6	976.6	889.7	776.1	771.8	865.4	854.1	890.2	954.0	848.1	830.3	959.9	880.4
1960	1,023.0	945.3	965.9	842.0	931.0	914.2	902.1	849.0	894.9	803.3	857.5	909.0	903.1
1961	988.6	1,021.9	917.6	977.4	1,057.8	1,040.6	1,065.0	1,104.2	1,139.3	1,021.4	1,142.4	1,151.2	1,052.3
1962	1,236.0	1,256.1	1,224.6	1,078.8	1,123.2	1,052.0	1,125.4	1,171.0	1,198.3	1,155.6	1,140.9	1,196.2	1,163.2
1963	1,274.3	1,316.7	1,308.6	1,096.9	1,161.6	1,210.5	1,178.4	1,208.6	1,238.2	1,237.2	1,222.5	1,325.8	1,231.6
1964	1,480.1	1,383.6	1,328.3	1,167.9	1,286.0	1,322.3	1,286.8	1,255.0	1,290.5	1,290.3	1,351.5	1,388.6	1,319.2
1965	1,482.9	1,444.1	1,413.1	1,329.2	1,252.9	1,333.1	1,337.8	1,489.3	1,532.3	1,339.2	1,437.4	1,475.0	1,405.5
Total manufacturing (27.340)													
1946	79.5	82.3	84.1	84.4	86.1	88.0	83.3	84.9	86.5	88.0	90.1	85.0	85.2
1947	87.5	90.7	92.2	92.1	94.1	96.0	91.8	94.3	96.0	96.5	97.8	89.9	93.2
1948	91.9	95.1	95.6	97.0	98.2	99.2	94.0	97.0	101.6	102.2	100.8	94.6	97.3
1949	95.1	98.0	99.3	99.4	101.1	103.5	97.8	99.9	103.8	103.5	101.6	97.1	100.0
1950	95.6	100.2	100.5	101.4	104.0	110.4	107.4	106.3	115.0	115.8	114.8	109.8	106.7
1951	110.6	116.4	117.5	118.6	120.0	121.1	113.2	115.5	118.6	117.2	115.2	107.0	115.9
1952	109.8	114.6	117.1	116.7	120.9	123.1	116.1	120.7	126.5	128.0	128.6	119.8	120.2
1953	121.8	129.1	131.5	129.9	133.1	133.3	127.1	127.6	132.3	131.7	128.2	120.9	128.9
1954	121.1	127.2	126.4	124.5	126.9	129.5	121.7	125.9	128.6	129.4	129.0	121.7	126.0
1955	124.0	130.1	133.3	134.7	140.3	144.4	136.0	140.5	145.9	146.5	146.2	137.3	138.3
1956	136.9	142.8	147.0	151.7	151.9	159.3	151.2	150.9	157.8	158.1	159.0	148.3	151.2
1957	146.1	153.0	155.3	150.8	154.5	158.9	149.7	151.7	151.9	150.9	152.4	135.5	150.9
1958	137.2	142.4	144.1	144.7	152.4	156.1	146.2	148.1	152.2	153.3	157.1	142.8	148.0
1959	145.4	153.8	154.1	157.5	162.3	167.6	156.2	158.1	166.0	169.8	163.9	152.7	159.0
1960	157.6	161.1	162.8	159.2	164.7	168.7	155.2	157.4	164.5	167.1	165.2	151.3	161.2
1961	150.9	157.7	159.2	161.0	165.8	175.6	163.0	167.9	177.8	179.1	179.0	165.5	166.9
1962	164.2	173.8	176.4	175.8	183.9	192.5	177.9	179.3	191.5	192.5	191.2	175.6	181.2
1963	176.6	185.2	188.7	188.3	196.2	205.2	183.3	189.8	204.8	206.2	209.1	194.0	193.9
1964	195.5	207.8	206.5	211.2	214.4	221.8	197.8	208.7	222.8	221.9	225.9	208.3	211.9
1965	210.6	220.1	225.0	223.6	232.2	239.7	219.3	223.6	239.0	245.5	247.2	235.3	230.1
Total non-durable manufacturing (14.742)													
1946	84.9	87.7	88.9	87.4	89.0	90.6	85.0	90.7	93.3	94.6	96.2	88.5	89.8
1947	89.5	91.6	93.0	92.3	93.8	94.5	89.4	94.5	95.0	95.8	99.2	89.8	93.2
1948	91.6	95.2	92.9	94.6	96.3	97.0	92.6	97.3	101.2	103.0	100.8	92.8	96.3
1949	94.4	97.1	96.0	97.7	99.8	101.0	97.2	102.0	105.8	106.7	105.2	97.4	100.0
1950	96.6	101.1	101.2	103.7	104.3	108.4	105.2	107.0	115.1	116.4	115.8	108.5	106.9
1951	106.3	111.6	111.7	114.3	114.8	115.1	108.9	114.8	116.3	115.7	113.0	104.3	112.2
1952	105.0	109.7	111.3	110.2	114.0	115.9	113.2	118.5	121.8	124.4	126.9	114.0	115.4
1953	114.1	120.3	122.4	121.8	125.4	125.0	120.7	126.5	129.6	129.4	128.1	115.9	123.3
1954	116.3	121.4	122.1	119.5	124.8	128.5	120.4	129.6	134.0	134.0	132.4	120.3	125.3
1955	121.8	127.4	127.6	128.7	133.4	137.7	129.1	139.4	144.7	144.4	144.8	133.7	134.4
1956	133.9	139.2	139.8	143.6	142.6	151.2	141.3	149.2	156.5	154.1	152.6	141.4	145.5
1957	139.4	148.7	149.4	145.3	148.1	154.6	145.9	155.4	157.5	153.9	152.7	135.6	148.9
1958	135.3	142.5	144.1	145.1	151.3	155.4	148.0	157.1	161.6	163.3	165.3	146.5	151.3
1959	147.5	156.3	155.4	158.5	162.5	165.1	155.7	168.8	173.7	173.1	171.1	154.8	161.9
1960	157.5	162.5	163.7	161.1	166.5	170.9	160.2	168.8	175.0	176.8	174.1	156.6	166.1
1961	156.9	164.0	165.1	168.2	171.1	180.1	169.5	179.0	187.0	186.8	185.9	170.0	173.6
1962	168.5	177.4	179.8	178.2	184.1	191.7	178.7	186.8	195.9	193.8	192.5	174.6	183.5
1963	175.0	183.9	190.4	188.0	194.5	202.9	184.8	201.4	209.3	208.6	207.8	191.8	194.9
1964	191.8	205.8	203.6	208.2	209.8	218.2	199.2	215.5	224.5	224.0	225.3	208.6	211.2
1965	204.6	216.0	215.6	214.5	223.2	228.5	212.3	230.3	239.3	241.1	238.2	225.0	224.1

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total foods and beverages (1949 percentage weight 3.814)													
1946	87.1	84.8	85.9	85.2	92.6	101.3	102.1	109.4	111.2	112.5	110.3	93.4	98.0
1947	86.0	81.9	83.1	88.6	96.3	101.4	102.0	109.1	103.9	105.1	114.8	95.3	97.2
1948	89.4	86.5	82.5	88.3	97.5	101.6	103.3	109.2	112.3	113.2	107.0	91.3	98.5
1949	81.6	80.9	83.4	88.6	100.7	105.3	108.7	116.5	115.8	113.7	109.5	95.3	100.0
1950	83.2	85.5	86.4	94.4	103.9	110.6	112.7	116.0	116.4	116.7	112.1	97.5	102.9
1951	87.3	88.3	91.4	97.7	106.5	112.4	114.5	125.0	123.4	119.8	111.6	100.2	106.5
1952	91.9	91.9	96.5	100.6	114.9	123.4	127.1	128.2	126.6	126.1	125.9	109.1	113.5
1953	94.1	97.6	100.4	104.7	116.6	123.6	129.3	132.7	132.2	130.4	128.1	109.8	116.6
1954	98.9	98.5	106.7	107.4	121.1	131.5	131.8	137.8	140.2	134.1	131.5	111.8	120.9
1955	104.0	101.9	105.6	110.9	124.3	136.8	139.0	148.1	148.8	138.0	134.2	116.6	125.7
1956	106.4	110.5	116.8	123.5	127.2	146.7	145.9	148.9	155.5	146.3	141.4	129.2	133.2
1957	109.8	116.3	122.2	120.1	132.7	153.3	154.0	163.6	161.4	152.2	147.3	128.6	138.5
1958	116.2	120.0	124.4	130.4	143.2	155.7	158.8	163.7	164.8	165.2	161.1	137.2	145.1
1959	123.5	126.8	129.8	140.7	151.1	164.2	165.1	182.6	176.0	167.0	161.2	139.3	152.3
1960	128.0	131.8	134.2	139.8	157.0	165.5	167.4	172.4	174.0	173.9	164.5	138.7	153.9
1961	125.4	132.9	136.4	144.0	151.1	172.1	180.5	180.5	183.1	179.4	173.5	150.6	159.1
1962	134.9	141.7	147.6	152.1	166.9	186.6	184.7	189.1	192.3	180.8	174.9	155.5	167.3
1963	136.8	146.9	153.1	155.2	168.2	189.4	180.7	198.5	196.6	191.9	186.9	161.8	172.2
1964	149.0	164.6	161.9	169.3	181.7	199.1	197.6	209.1	208.2	204.8	201.1	180.7	185.6
1965	162.3	167.6	169.6	173.4	188.0	202.8	202.6	219.6	222.4	214.0	210.9	184.2	193.1
Total foods (2.896)													
1946	91.6	87.7	87.2	88.0	95.2	104.6	107.4	116.3	120.3	122.5	117.6	97.6	103.0
1947	88.0	82.8	83.0	91.3	99.1	103.6	106.3	112.6	108.6	109.7	121.1	99.4	100.4
1948	91.0	87.0	83.0	87.2	96.6	100.8	102.3	109.5	117.2	117.3	110.0	92.5	99.5
1949	81.3	82.0	82.0	85.9	97.5	103.3	105.5	116.6	120.1	117.8	112.7	95.3	100.0
1950	84.6	87.1	87.0	91.2	102.6	106.9	109.3	118.2	120.4	119.6	113.4	98.1	103.2
1951	90.1	88.0	86.7	93.6	106.6	112.2	113.8	126.4	127.2	123.7	113.7	100.8	106.9
1952	93.8	93.1	92.4	98.1	113.6	121.9	126.0	126.5	129.2	130.0	123.1	106.1	112.8
1953	93.7	95.8	96.5	100.3	111.5	118.2	127.3	130.8	132.9	131.9	122.3	104.6	113.8
1954	100.2	100.6	104.2	103.7	115.7	127.3	131.1	137.2	146.4	137.9	126.8	111.8	120.2
1955	104.7	102.8	104.7	107.2	118.4	131.9	134.9	146.4	153.3	138.2	128.9	117.4	124.1
1956	108.6	111.2	114.8	117.3	122.6	140.0	142.9	147.3	156.8	145.0	135.4	126.8	130.7
1957	110.5	115.7	118.9	113.7	125.9	145.3	147.9	162.3	162.3	150.6	139.9	126.7	135.0
1958	119.0	117.9	120.7	123.5	136.7	149.1	155.0	164.0	168.4	164.7	153.1	136.2	142.4
1959	127.9	127.8	127.1	135.3	144.1	155.9	161.5	174.3	175.8	164.5	155.7	137.5	149.0
1960	130.7	130.2	130.4	134.2	148.6	156.7	165.1	168.9	172.8	167.3	156.9	137.1	149.7
1961	128.4	131.3	132.4	137.6	145.6	164.3	176.1	175.8	179.9	176.0	164.5	147.0	154.9
1962	138.1	140.3	142.1	144.4	157.9	172.4	182.2	186.6	190.3	178.7	166.9	149.9	162.5
1963	140.2	145.5	146.3	147.5	160.0	175.5	174.1	190.6	195.2	189.3	176.3	159.4	166.7
1964	154.6	160.1	156.2	161.0	173.3	187.5	194.9	204.7	208.1	201.8	189.6	175.4	180.6
1965	164.1	164.6	165.3	168.2	180.8	191.9	198.0	214.6	219.7	207.8	195.3	178.9	187.4
Meat products (0.523)													
1946	151.2	131.4	131.9	117.4	101.7	111.4	110.8	129.7	129.3	171.6	192.5	130.6	134.1
1947	114.8	100.8	102.1	121.9	113.8	105.4	109.4	111.4	71.7	100.2	222.6	164.8	119.9
1948	152.6	128.5	117.6	105.8	96.0	78.5	60.6	60.0	84.9	104.5	123.1	92.6	100.4
1949	88.3	81.1	90.4	92.6	91.0	87.8	87.5	91.9	106.3	128.1	143.5	111.6	100.0
1950	98.3	96.2	100.0	105.1	101.2	92.4	89.8	84.6	100.6	109.2	123.3	95.6	99.7
1951	96.6	91.3	86.8	99.3	101.1	101.1	86.3	88.0	95.1	110.8	118.5	91.6	97.2
1952	101.5	102.9	95.9	112.4	127.6	118.4	104.5	105.6	110.8	136.8	155.2	136.1	117.3
1953	105.6	113.9	111.6	112.4	109.7	101.5	96.1	101.2	108.3	124.9	135.6	111.1	111.0
1954	116.2	115.8	126.2	109.9	118.5	129.2	104.0	102.5	140.8	128.7	138.8	133.5	122.0
1955	131.5	122.6	137.3	124.9	122.7	141.9	118.3	109.9	152.0	138.0	147.4	148.3	132.9
1956	131.6	126.8	153.9	137.9	122.1	154.4	115.2	112.5	166.2	128.7	147.1	153.5	137.5
1957	119.5	135.6	154.7	118.7	118.2	163.7	116.8	125.5	123.6	134.4	164.9	157.5	136.1
1958	148.4	136.3	140.2	136.9	136.9	137.1	132.1	143.1	150.0	164.3	178.7	162.5	147.2
1959	165.9	153.9	161.1	173.6	163.6	152.9	151.8	155.8	175.1	170.4	180.4	150.2	162.9
1960	172.8	155.1	154.7	157.1	153.9	143.2	144.2	144.0	150.2	159.7	164.8	132.8	152.7
1961	147.6	142.9	142.7	160.6	146.5	151.9	152.1	150.6	165.7	174.9	180.2	143.0	154.9
1962	160.9	158.2	162.6	158.3	155.3	152.3	143.6	148.7	158.7	167.2	176.9	142.5	157.1
1963	154.5	158.2	160.3	159.1	163.2	156.9	147.3	153.8	170.3	177.6	189.6	156.8	162.3
1964	177.5	177.8	165.8	180.6	172.4	175.3	166.1	177.4	190.3	196.2	207.8	204.1	182.6
1965	200.2	186.3	188.4	187.4	186.4	179.9	185.9	189.8	201.0	210.1	216.5	175.8	192.3

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Dairy products (1949 percentage weight 0.450)													
1946	61.7	65.6	71.1	82.9	94.7	115.4	106.8	97.5	90.4	78.1	68.3	64.4	83.1
1947	64.3	65.2	70.4	85.7	97.7	120.0	115.3	110.4	98.7	87.2	74.1	63.0	87.7
1948	60.2	69.8	74.6	91.8	116.3	141.9	140.4	137.8	119.4	102.9	87.2	78.0	101.7
1949	75.4	78.0	83.9	97.7	118.0	133.7	127.2	118.1	107.3	99.6	85.5	75.6	100.0
1950	73.5	76.6	83.4	95.8	108.2	128.8	123.7	116.4	107.8	96.8	83.7	78.9	97.8
1951	76.2	80.3	85.2	102.6	120.9	143.4	137.4	125.7	116.5	100.9	85.8	80.4	104.6
1952	75.9	79.5	88.3	99.2	115.2	138.8	130.4	124.6	114.2	99.2	89.1	84.0	103.2
1953	83.0	85.6	93.4	106.3	129.2	145.8	140.0	133.2	120.9	110.2	100.2	90.3	111.5
1954	89.7	95.3	105.6	117.8	138.2	159.2	153.0	142.4	128.0	116.5	103.3	95.9	120.4
1955	92.5	96.3	101.3	115.2	138.4	155.3	150.9	141.5	131.5	121.1	105.1	100.5	120.8
1956	98.8	104.8	112.3	130.0	138.2	167.9	163.9	153.0	144.6	131.0	115.6	108.4	130.7
1957	101.6	111.9	120.5	133.4	159.7	188.0	173.4	167.5	158.1	140.1	125.6	118.2	141.5
1958	111.9	120.3	131.9	143.6	165.7	194.9	180.2	174.8	163.2	146.1	131.7	124.9	149.1
1959	115.0	125.8	136.3	146.6	174.0	201.8	186.1	181.3	176.1	154.6	138.5	130.0	155.5
1960	126.4	136.5	142.9	157.3	185.8	211.1	191.3	185.4	179.1	162.7	144.5	140.3	163.6
1961	130.7	140.2	157.8	161.1	183.7	220.5	204.7	194.2	189.1	171.1	153.0	149.7	171.3
1962	134.8	144.9	156.5	172.1	188.7	226.1	203.7	194.7	195.9	167.3	155.1	151.8	174.3
1963	144.2	151.5	162.4	174.9	190.7	234.3	210.7	202.2	200.5	177.1	158.9	159.9	180.6
1964	149.7	157.3	172.0	185.4	213.5	242.1	218.3	211.0	205.7	187.2	172.8	160.4	189.6
1965	156.3	164.9	178.2	190.4	215.0	247.9	220.2	225.5	217.1	191.6	174.5	170.5	196.0
Canning and processing (0.453)													
1946	48.7	42.7	34.7	42.0	83.0	98.7	143.3	181.0	202.2	181.4	121.9	86.3	105.5
1947	46.3	40.5	32.4	38.6	76.3	89.7	129.4	162.6	181.5	162.6	109.2	77.6	95.5
1948	41.2	36.9	30.8	39.3	80.6	97.5	142.5	180.9	200.0	178.9	119.9	84.1	102.7
1949	44.3	52.9	36.2	44.1	92.8	107.3	128.0	194.9	193.9	138.3	95.8	71.5	100.0
1950	54.3	59.2	40.8	46.4	104.0	117.0	148.5	203.1	192.4	166.8	122.6	88.5	112.0
1951	69.9	56.0	49.7	59.5	112.2	114.3	157.0	230.9	221.8	178.5	112.8	98.8	121.8
1952	68.6	64.6	53.0	63.3	116.6	138.1	194.5	193.4	204.1	166.5	101.9	72.5	119.8
1953	53.6	49.4	48.0	58.0	96.6	125.9	201.5	213.5	216.8	174.3	109.8	80.0	118.9
1954	59.2	52.6	56.3	57.0	96.3	128.1	199.3	230.4	249.2	209.2	123.7	88.3	129.1
1955	69.8	61.4	55.9	68.2	111.0	149.6	204.6	280.5	271.2	166.5	114.0	87.3	136.7
1956	70.1	81.6	65.4	69.4	103.0	134.1	203.0	229.9	224.3	184.1	112.4	101.8	131.6
1957	73.9	73.8	69.8	72.2	110.4	140.6	230.2	301.2	293.4	204.4	110.3	81.8	146.8
1958	63.7	63.0	63.9	70.4	107.0	148.9	214.4	250.1	268.4	211.8	128.7	97.7	140.7
1959	68.7	65.8	64.1	77.3	105.4	159.2	210.8	283.5	265.1	181.8	134.3	111.6	144.0
1960	70.1	74.8	65.8	75.6	126.1	151.4	228.0	242.2	250.1	196.4	133.8	107.0	143.4
1961	78.9	82.9	74.2	76.6	106.1	168.5	259.1	258.6	253.9	211.1	146.2	120.0	153.0
1962	86.4	93.0	83.9	89.1	139.6	177.1	289.5	313.3	301.9	220.6	150.8	129.6	172.9
1963	92.0	102.3	94.5	98.2	145.5	193.1	233.0	311.7	305.4	251.1	169.0	127.3	176.9
1964	93.4	115.6	102.3	104.4	155.1	194.0	291.8	319.0	320.8	256.0	181.5	146.2	190.0
1965	107.7	117.0	112.7	118.8	165.7	198.4	267.1	341.1	344.9	253.5	180.4	159.1	197.2
Grain mill products (0.322)													
1946	105.4	112.9	114.6	112.3	116.7	120.0	107.9	109.7	117.2	113.2	118.8	110.5	113.3
1947	116.9	114.0	116.2	114.3	119.8	121.5	106.1	112.3	112.7	109.0	106.4	84.9	111.2
1948	93.9	99.3	93.3	102.3	100.4	101.8	93.7	95.7	108.3	100.4	100.7	85.2	97.9
1949	87.4	90.3	94.7	99.6	99.4	103.1	96.8	103.0	110.5	112.2	109.9	93.1	100.0
1950	88.0	99.2	102.4	105.1	99.3	96.2	88.3	98.0	108.1	109.5	111.1	101.8	100.6
1951	100.2	108.1	111.8	117.4	115.2	118.2	103.5	111.7	121.1	117.1	121.0	109.7	112.9
1952	109.4	110.7	117.4	114.2	118.0	120.7	111.1	116.0	118.3	118.2	122.6	98.4	114.6
1953	102.7	111.2	113.8	111.9	116.9	110.9	106.0	105.6	111.5	112.9	114.7	107.7	110.5
1954	107.2	111.4	115.1	112.1	109.1	108.8	103.3	113.0	113.2	113.2	115.8	101.4	110.3
1955	103.1	108.5	110.4	110.1	109.0	108.2	105.3	110.8	117.9	122.1	122.8	112.7	111.7
1956	111.9	116.1	119.9	126.1	121.3	125.5	125.0	125.8	126.8	124.2	132.6	120.2	123.0
1957	115.1	121.5	122.4	112.1	115.8	117.3	114.1	123.1	129.0	124.8	133.3	119.0	120.6
1958	122.2	125.6	134.1	128.7	139.8	133.3	125.7	138.3	136.9	143.4	160.8	132.9	135.1
1959	133.1	138.8	133.1	136.3	139.4	134.9	136.1	140.4	138.8	149.2	149.7	131.0	138.4
1960	129.8	131.6	135.6	132.8	135.5	136.8	132.5	134.7	145.3	148.1	147.2	132.1	136.8
1961	131.2	138.5	139.5	137.9	139.6	139.2	147.3	147.0	145.4	148.3	155.9	144.5	142.9
1962	138.6	139.5	144.0	131.9	138.0	150.3	144.2	138.9	146.1	144.5	146.4	136.6	141.6
1963	133.1	142.6	143.0	134.9	139.6	148.1	130.4	141.1	150.6	159.4	169.4	160.9	146.1
1964	188.0	192.4	192.1	178.3	182.0	183.8	170.7	184.8	180.7	188.3	190.2	177.8	184.1
1965	184.8	193.0	183.2	179.6	180.7	180.9	175.8	183.4	195.3	205.2	206.9	203.3	189.3

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Bakery products (1949 percentage weight 0.558)													
1946	95.2	93.0	93.5	101.5	104.6	108.1	108.7	109.8	109.9	109.7	108.1	104.4	103.9
1947	101.1	96.7	95.0	100.5	101.4	102.6	101.0	100.0	102.2	103.5	103.3	101.2	100.7
1948	97.5	93.7	92.5	98.6	99.7	101.4	100.2	99.6	101.5	102.3	101.8	99.3	99.0
1949	96.0	94.4	92.5	92.7	96.5	100.2	104.7	106.6	106.2	105.3	104.2	100.9	100.0
1950	95.8	95.6	98.1	98.4	100.7	105.2	107.5	107.9	108.3	106.7	105.9	106.1	103.0
1951	104.0	101.1	100.7	102.6	105.1	109.8	113.5	115.7	116.1	115.3	114.1	111.2	109.1
1952	107.3	105.5	106.6	107.9	111.5	117.4	120.2	120.9	120.6	120.4	120.5	118.3	114.8
1953	114.9	113.9	116.0	117.5	120.7	126.0	127.5	126.9	127.2	127.5	124.1	119.2	121.8
1954	117.0	116.0	115.5	117.5	120.7	125.9	126.4	125.2	126.7	128.3	127.2	122.3	122.4
1955	118.3	117.4	117.8	118.9	121.6	127.4	129.9	130.2	126.7	131.7	127.4	121.5	124.5
1956	119.7	120.1	123.8	126.9	128.8	133.0	137.4	138.8	138.7	137.2	134.5	129.7	130.7
1957	125.2	123.5	124.6	125.4	127.1	133.1	136.1	135.9	135.1	133.2	132.3	130.6	130.2
1958	128.1	126.5	126.6	127.5	131.5	138.0	140.1	139.6	139.4	139.0	137.3	133.2	133.9
1959	130.7	131.4	132.6	133.7	137.0	143.7	146.8	145.5	144.5	144.4	142.9	138.6	139.3
1960	132.4	130.8	132.2	134.3	138.7	144.1	146.1	144.7	143.8	143.1	141.5	136.7	139.0
1961	131.4	130.6	133.0	133.9	137.7	147.6	151.0	147.8	147.7	147.9	146.3	142.2	141.4
1962	137.1	136.4	139.4	142.2	147.7	155.4	156.2	154.4	154.2	152.0	149.1	145.3	147.4
1963	141.5	139.8	138.9	138.9	143.4	150.3	153.8	153.9	151.8	149.5	148.4	145.2	146.3
1964	142.3	141.5	141.7	143.5	147.4	155.7	159.7	157.4	157.4	158.7	157.5	152.6	151.3
1965	147.5	145.3	144.5	144.8	149.0	155.3	158.7	157.7	156.4	156.1	154.5	150.5	151.7
Miscellaneous foods (0.590)													
1946	83.4	81.3	79.3	74.9	78.6	83.0	75.9	79.0	83.7	84.8	94.0	88.8	82.3
1947	86.1	82.6	84.7	87.7	90.9	91.2	84.3	89.0	96.8	101.2	100.7	91.9	90.6
1948	90.2	88.6	84.0	84.6	89.3	90.5	86.0	93.8	100.5	115.9	120.8	107.7	96.0
1949	90.7	91.9	91.3	89.3	91.2	93.8	93.1	94.2	103.6	121.9	128.7	110.3	100.0
1950	91.9	94.0	94.6	95.4	102.0	102.6	98.6	105.0	110.2	127.8	128.7	112.8	105.3
1951	91.7	92.1	89.2	86.4	93.1	95.5	92.8	98.7	105.1	121.8	127.1	111.6	100.4
1952	98.7	95.4	95.7	93.2	97.3	104.5	102.8	106.0	113.6	135.0	139.7	114.6	108.1
1953	97.1	97.8	95.0	94.8	99.5	102.9	99.5	109.1	116.4	136.8	139.3	113.2	108.5
1954	105.7	107.5	103.7	105.6	110.1	111.9	105.9	117.2	123.1	130.5	142.0	118.3	115.1
1955	105.2	105.3	100.4	102.6	107.2	108.9	104.7	114.5	120.5	144.5	146.7	124.8	115.4
1956	112.9	113.9	108.8	112.4	120.8	124.9	120.3	130.2	139.3	159.0	160.3	137.0	128.3
1957	120.8	122.8	116.3	115.8	123.1	127.0	122.4	130.7	142.8	162.4	162.3	140.7	132.3
1958	130.4	129.6	125.4	130.5	140.3	144.0	140.4	145.5	156.7	179.0	176.4	155.6	146.2
1959	143.8	144.5	130.0	138.2	143.2	144.1	141.4	147.5	157.4	180.7	178.7	154.3	150.3
1960	142.1	144.6	144.3	142.0	149.4	153.8	151.0	153.6	171.1	188.5	197.0	164.5	158.5
1961	143.5	148.1	144.1	149.4	156.7	158.5	151.5	162.7	178.0	195.3	195.5	175.2	163.2
1962	161.0	161.2	159.0	162.2	171.4	173.8	162.9	173.3	186.5	209.5	207.5	182.4	175.9
1963	164.0	170.0	170.0	169.4	171.5	172.3	167.9	182.9	194.0	215.5	213.8	198.5	182.5
1964	178.5	180.8	171.4	175.8	177.0	184.0	174.9	191.8	202.1	224.2	222.8	204.3	190.6
1965	185.8	184.7	185.2	188.2	191.5	195.5	188.0	201.7	215.4	233.3	236.2	216.8	201.9
Total beverages (0.918)													
1946	72.8	75.5	81.9	76.5	84.4	91.0	85.2	87.5	82.4	81.1	87.3	80.2	82.2
1947	79.5	79.1	83.6	80.2	87.3	94.5	88.5	98.0	89.2	90.7	94.9	82.2	87.3
1948	84.2	85.1	80.9	91.9	100.2	104.0	106.3	108.3	97.0	100.4	97.6	87.6	95.3
1949	82.5	77.4	87.8	97.2	110.8	111.5	118.7	116.0	102.5	100.8	99.6	95.4	100.0
1950	78.5	80.4	84.5	104.3	108.0	122.4	123.5	108.9	104.0	107.3	107.7	95.5	102.1
1951	78.7	89.3	106.2	110.7	106.2	113.2	116.9	120.8	111.3	107.4	104.7	98.3	105.3
1952	86.0	88.2	109.4	108.7	119.0	128.1	130.4	133.6	118.5	113.9	134.8	118.6	115.8
1953	95.4	103.3	112.4	118.7	132.8	140.7	135.6	138.7	130.2	125.5	146.5	126.2	125.5
1954	94.7	91.9	114.6	119.1	137.9	145.1	133.7	139.7	120.7	122.0	146.5	111.8	123.1
1955	101.9	99.0	108.4	122.5	142.8	152.0	152.2	153.2	134.4	137.4	150.8	114.1	130.7
1956	99.6	108.3	123.2	143.0	141.9	167.9	155.3	153.7	151.5	150.2	160.2	136.7	141.0
1957	107.8	118.2	132.8	140.6	154.0	178.4	173.3	167.8	158.7	157.1	170.5	134.6	149.5
1958	107.5	126.4	136.2	152.2	164.0	176.6	170.9	162.6	153.3	166.6	186.0	140.5	153.6
1959	109.8	123.5	138.0	157.9	172.9	190.5	176.6	208.6	176.8	175.2	178.7	144.8	162.8
1960	119.3	136.8	146.2	157.3	183.7	193.3	174.6	190.0	178.0	194.8	188.4	144.0	167.2
1961	115.7	138.1	149.1	164.1	168.6	196.9	194.3	195.3	193.1	190.2	201.7	161.7	172.4
1962	124.7	146.4	165.0	176.6	195.2	231.2	192.5	197.1	198.5	187.5	200.1	173.1	182.3
1963	126.1	151.3	174.6	179.4	194.1	233.4	201.3	223.5	200.9	200.0	220.3	169.5	189.5
1964	131.4	178.6	179.9	195.2	208.3	235.4	205.8	223.1	208.5	214.4	237.3	197.5	201.3
1965	156.5	176.9	183.4	189.5	210.8	237.4	217.0	235.6	230.7	233.6	260.1	200.8	211.0

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Carbonated beverages (1949 percentage weight 0.231)													
1946	40.4	39.9	49.3	50.6	65.4	74.6	75.0	75.3	54.3	48.9	46.6	48.2	55.4
1947	52.5	49.5	61.3	63.0	84.9	88.3	93.1	98.0	64.5	60.9	60.7	57.2	69.7
1948	66.3	62.5	70.7	79.6	112.4	106.5	123.0	118.2	81.4	84.1	69.7	72.4	87.1
1949	81.0	72.4	81.3	95.3	122.1	120.8	145.7	127.8	92.3	95.6	79.4	86.4	100.0
1950	77.0	72.7	82.0	101.7	119.2	124.0	150.0	131.6	99.5	93.7	81.4	92.5	102.1
1951	68.6	67.8	80.1	90.4	111.4	121.3	133.8	122.7	97.1	83.3	75.5	85.5	94.1
1952	80.7	75.5	79.6	88.5	107.4	124.7	160.6	134.1	109.0	82.2	88.0	97.3	102.1
1953	85.0	78.8	86.2	94.6	123.5	131.4	156.2	137.9	126.8	94.6	95.9	103.0	109.1
1954	75.5	87.0	85.6	95.2	119.2	141.3	148.6	135.3	96.0	92.1	94.8	97.8	105.1
1955	83.2	81.0	85.2	102.9	121.8	137.2	184.4	165.5	113.4	96.5	93.9	105.6	114.1
1956	93.5	85.6	98.9	112.9	123.4	160.2	158.4	157.0	140.4	103.4	119.2	125.5	123.1
1957	114.0	106.0	124.4	108.8	155.5	178.7	196.3	165.8	140.7	120.9	123.8	136.2	140.1
1958	121.1	114.0	135.8	142.0	150.2	182.7	197.3	223.1	160.2	132.3	132.3	146.3	153.1
1959	121.3	111.4	114.3	144.1	157.8	184.2	216.0	227.3	170.5	158.6	134.5	160.9	158.1
1960	128.2	136.6	129.2	135.3	175.4	175.4	201.9	199.2	163.7	162.5	153.6	143.4	158.1
1961	136.8	133.7	119.4	147.9	141.5	194.6	235.0	225.8	187.8	144.4	151.8	168.6	165.1
1962	129.8	145.8	138.5	143.5	185.8	224.1	221.7	210.5	200.3	132.8	163.1	180.0	173.1
1963	143.6	137.1	136.6	167.7	179.4	231.5	229.8	239.0	182.3	150.2	180.6	166.6	178.1
1964	138.6	159.5	137.9	173.0	181.0	213.6	243.6	223.5	192.0	153.5	179.8	176.3	181.1
1965	138.4	181.1	143.1	155.9	199.1	215.2	221.5	236.3	215.6	151.9	181.3	195.4	186.1
Breweries (0.463)													
1946	61.8	69.0	74.5	70.3	80.7	85.2	85.9	86.2	86.1	82.3	78.6	73.6	77.1
1947	72.0	77.4	82.9	82.4	89.8	99.4	99.6	108.0	99.7	92.8	95.3	83.1	90.1
1948	81.7	83.4	80.6	97.4	103.8	113.6	118.7	116.5	103.7	104.4	96.2	82.3	98.1
1949	75.2	70.0	89.3	99.2	112.8	117.3	128.1	122.3	105.5	93.8	94.7	91.9	100.0
1950	75.2	77.0	90.9	115.7	109.3	126.9	122.3	100.2	99.0	101.9	92.5	83.0	99.1
1951	70.7	81.2	96.5	113.5	110.0	117.8	123.1	118.3	103.1	90.8	90.9	91.5	100.1
1952	74.8	79.8	121.7	119.9	130.4	140.2	135.4	140.1	113.6	104.3	125.8	113.0	116.1
1953	85.3	102.5	122.2	128.9	138.7	147.2	142.1	142.4	117.2	110.7	131.2	115.1	123.1
1954	92.8	86.7	121.3	132.3	152.6	147.9	139.3	144.9	112.7	107.6	124.9	104.5	122.1
1955	98.8	102.4	116.2	131.7	158.9	160.1	152.1	154.2	126.3	126.3	128.5	100.8	129.1
1956	90.4	110.2	131.0	155.3	150.6	170.8	164.7	141.7	128.1	120.1	133.1	116.8	134.1
1957	98.2	117.2	141.5	159.4	157.4	180.8	170.0	157.1	141.3	130.7	143.6	122.4	143.1
1958	93.5	129.0	137.3	155.7	165.0	176.5	169.7	130.4	98.3	135.6	158.0	127.5	139.1
1959	85.8	109.3	148.9	157.0	170.0	198.0	170.4	185.2	146.7	138.5	161.6	128.6	150.1
1960	102.0	122.5	154.0	164.9	182.6	192.3	183.3	162.1	140.0	153.0	161.9	137.9	154.1
1961	92.9	125.1	155.8	167.0	174.7	193.3	191.0	173.6	156.1	158.5	168.4	145.6	158.1
1962	92.4	133.0	162.2	187.8	199.2	220.3	212.5	169.5	158.7	158.9	170.9	167.6	169.1
1963	93.6	139.1	175.0	183.4	189.2	226.6	217.8	190.0	170.7	160.4	186.7	166.2	174.1
1964	92.6	167.2	193.9	197.5	204.5	235.3	217.3	200.9	162.8	168.6	205.4	182.6	185.1
1965	137.6	147.0	192.8	195.4	225.7	239.2	227.1	202.3	161.6	173.2	215.6	176.1	191.1
Distilleries (0.203)													
1946	134.3	130.2	133.2	117.2	114.5	123.3	95.3	104.1	97.6	107.2	151.7	130.7	120.1
1947	127.3	116.7	110.8	92.8	84.7	89.7	57.2	76.2	79.9	112.7	133.4	108.1	99.1
1948	111.0	116.1	93.8	95.3	80.9	82.1	61.7	81.2	90.7	106.4	132.0	117.3	97.1
1949	100.7	99.4	92.4	95.8	96.5	90.6	69.9	91.1	97.2	121.8	132.6	112.2	100.0
1950	86.7	96.2	72.4	80.7	93.6	112.1	99.7	103.9	117.6	129.7	171.1	125.2	107.1
1951	107.7	132.5	160.5	130.5	94.4	97.2	89.1	128.9	144.4	169.4	170.1	128.2	129.1
1952	117.4	122.3	118.4	109.0	110.5	109.6	90.8	123.1	134.2	169.9	211.5	157.8	131.1
1953	131.1	135.3	122.9	127.3	136.0	142.8	104.2	137.1	159.5	197.0	244.1	180.8	151.1
1954	121.0	109.3	134.3	118.3	129.7	147.7	107.7	136.4	161.0	188.9	258.4	145.3	146.1
1955	131.1	112.7	119.1	126.5	136.1	157.2	122.9	143.0	165.3	209.3	271.2	155.0	154.1
1956	127.9	131.0	136.0	154.5	147.2	177.5	136.2	182.7	217.0	261.4	273.0	197.7	178.1
1957	123.0	135.7	125.3	136.3	148.2	179.2	160.5	176.4	204.0	257.0	289.9	161.0	174.1
1958	123.3	135.4	135.8	159.7	182.1	174.9	148.7	169.6	253.0	260.3	318.1	165.2	185.1
1959	150.7	170.4	142.5	179.7	202.8	187.7	150.6	248.2	234.6	280.0	271.6	164.4	198.1
1960	147.5	170.3	149.7	168.0	200.1	221.6	127.1	242.9	258.7	318.2	293.0	159.5	204.1
1961	141.7	174.0	169.2	178.1	184.0	212.8	161.4	216.1	268.1	303.3	339.8	193.2	211.1
1962	191.8	180.0	205.9	194.4	202.3	272.7	117.9	248.4	267.2	313.8	310.8	180.4	223.1
1963	179.2	196.2	221.1	188.4	226.8	259.0	136.6	288.7	270.2	339.2	348.1	183.4	236.1
1964	208.6	231.0	199.8	221.3	255.4	269.8	139.8	279.4	311.5	387.6	382.3	258.7	262.1
1965	220.0	243.9	212.7	219.8	196.1	266.4	192.3	313.5	389.0	448.4	454.3	261.2	284.1

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total tobacco and tobacco products (1949 percentage weight 0.248)													
1946	100.3	88.4	77.0	76.9	81.2	93.0	82.2	97.1	98.1	100.9	104.2	87.7	90.6
1947	89.1	96.7	93.9	87.0	97.9	94.1	64.4	91.8	102.6	106.9	107.2	89.3	93.4
1948	91.4	96.9	81.7	92.9	92.9	100.4	69.7	90.9	103.6	105.0	104.0	91.7	93.4
1949	94.3	93.7	94.4	99.2	107.4	110.5	73.4	99.6	113.4	107.0	108.1	99.1	100.0
1950	97.4	111.7	108.8	105.5	108.5	116.0	79.1	94.1	109.7	106.4	100.5	94.7	102.7
1951	104.4	114.3	111.3	103.4	104.8	104.6	74.5	68.2	123.4	103.3	75.3	95.8	95.8
1952	94.3	91.7	97.6	108.9	129.9	140.5	101.1	120.1	121.3	100.8	122.3	103.5	111.0
1953	91.0	85.8	140.3	131.7	138.3	135.7	78.0	140.8	137.3	122.4	124.8	120.0	120.5
1954	109.4	127.3	119.9	124.6	137.5	150.2	80.3	150.9	127.6	132.0	138.8	125.6	127.0
1955	121.8	134.2	131.8	135.2	150.9	181.1	94.1	146.8	148.5	149.5	151.5	141.8	140.6
1956	130.0	144.9	142.6	166.5	162.8	174.8	110.7	159.2	158.2	161.7	168.2	150.4	152.5
1957	155.4	162.2	162.7	174.7	182.3	187.0	137.1	169.8	177.8	166.3	165.3	152.7	166.1
1958	153.9	178.0	176.7	177.7	188.3	205.1	160.1	183.3	199.1	179.9	199.2	163.6	180.4
1959	164.8	197.7	184.9	193.2	196.4	211.1	153.8	179.5	200.1	211.6	210.3	186.2	190.8
1960	184.3	191.8	197.1	183.0	202.6	218.5	147.0	199.6	220.6	212.3	213.8	198.2	197.4
1961	192.4	210.2	202.1	211.0	213.1	250.9	161.5	214.0	222.0	225.3	226.8	190.8	210.0
1962	211.7	221.3	225.2	215.4	227.7	256.8	170.7	218.7	234.4	230.3	238.9	199.8	220.9
1963	212.4	243.7	237.6	228.5	242.8	259.1	184.3	221.6	208.7	222.9	238.0	204.2	225.3
1964	216.5	220.7	199.1	229.4	236.7	271.0	180.1	250.0	256.6	253.0	256.2	215.9	232.1
1965	226.5	247.6	243.7	236.9	255.6	279.4	179.1	248.0	257.6	259.4	262.2	225.0	243.4
Total rubber products (0.430)													
1946	106.6	117.6	124.0	120.0	114.7	106.8	27.6	30.5	37.1	48.4	126.3	114.9	89.5
1947	131.9	136.1	136.9	132.5	132.7	130.7	104.3	100.6	133.2	128.8	138.2	123.1	127.4
1948	134.7	139.3	128.8	126.0	115.4	121.4	89.3	78.0	106.0	118.9	123.3	115.3	116.4
1949	113.8	117.7	108.0	104.6	102.0	101.0	78.1	75.2	97.0	104.4	96.9	101.2	100.0
1950	104.2	118.4	109.9	113.6	104.2	117.2	107.9	98.0	127.4	132.5	133.6	140.9	117.3
1951	129.8	150.3	145.0	157.9	134.9	115.4	108.3	99.7	122.8	112.4	107.4	111.3	124.6
1952	105.3	121.8	129.9	125.8	118.4	112.0	84.4	91.4	118.8	126.2	151.7	117.0	116.9
1953	126.2	156.2	145.4	141.0	143.2	145.5	110.8	112.7	135.2	136.4	140.4	121.1	134.5
1954	116.5	142.0	128.4	119.5	125.7	121.7	88.6	89.4	121.0	119.6	125.0	112.6	117.5
1955	121.7	148.5	139.3	138.0	134.9	150.0	108.5	106.3	153.7	154.9	167.9	145.5	139.1
1956	141.9	157.5	154.0	171.6	164.7	167.3	136.1	129.2	175.7	170.6	177.3	153.9	158.3
1957	156.1	176.9	166.6	149.3	156.6	164.8	119.1	109.8	153.3	153.6	164.9	131.5	150.2
1958	122.4	142.8	135.9	139.8	149.7	173.5	137.6	125.3	176.0	165.6	188.3	159.9	151.4
1959	160.7	200.8	180.8	184.7	187.0	197.5	149.7	135.1	185.9	178.7	190.0	154.0	175.4
1960	172.0	185.7	172.8	156.3	147.0	168.0	132.3	119.3	161.4	154.8	166.1	136.4	156.0
1961	135.1	146.7	149.0	156.4	155.1	176.0	144.1	127.5	178.6	182.7	182.4	169.6	158.6
1962	158.0	182.2	174.4	177.2	181.2	209.6	161.0	137.1	213.5	203.5	212.9	179.4	182.5
1963	185.5	220.0	223.1	199.6	210.7	245.4	169.1	164.0	217.7	218.9	230.2	204.7	207.4
1964	203.0	264.3	237.6	248.0	232.2	272.6	177.0	174.2	258.1	235.6	258.4	232.6	232.8
1965	208.4	272.4	236.0	232.6	256.1	240.3	175.4	180.6	263.0	258.3	266.8	259.0	237.4
Total leather products (0.508)													
1946	119.7	126.9	134.4	128.6	128.7	130.3	107.8	124.8	123.4	122.9	126.2	114.6	124.0
1947	121.5	131.3	129.6	122.7	117.9	107.8	86.7	94.4	97.7	97.2	106.6	95.6	109.1
1948	96.8	111.0	105.0	102.5	94.4	89.5	71.1	89.4	93.1	99.7	99.6	94.3	95.5
1949	95.0	108.6	108.5	105.4	102.5	101.8	81.4	95.8	105.7	103.0	100.2	92.1	100.0
1950	92.7	105.2	102.5	98.8	89.9	87.2	70.4	91.6	102.9	104.3	104.2	98.3	95.7
1951	99.5	111.6	111.3	110.6	98.2	86.7	64.8	84.5	84.9	81.9	83.5	70.7	90.7
1952	80.6	98.7	105.4	101.2	102.0	99.6	78.8	104.2	107.2	108.3	113.4	98.2	99.8
1953	107.4	125.0	122.5	118.6	117.7	102.9	81.8	105.2	101.9	102.6	98.0	88.7	106.0
1954	98.0	109.8	110.5	108.5	101.0	98.5	74.9	99.1	101.4	95.6	94.4	87.8	98.3
1955	101.1	111.0	112.2	109.8	106.7	106.3	77.1	105.2	114.4	114.6	113.9	106.8	106.6
1956	117.4	128.8	127.8	124.4	116.8	118.7	84.0	115.9	120.5	115.5	120.2	104.5	116.2
1957	114.8	127.0	131.7	120.4	117.8	113.9	82.9	115.1	117.8	112.6	115.1	105.3	114.5
1958	112.0	123.3	124.0	115.4	114.9	115.1	84.9	121.9	124.0	121.9	123.2	106.6	115.6
1959	119.1	134.3	130.8	133.2	127.2	124.2	91.4	125.3	123.1	121.7	118.9	108.3	121.5
1960	118.2	127.9	125.7	117.7	106.4	107.8	81.4	116.6	125.0	118.0	117.7	107.8	114.2
1961	117.5	134.5	134.4	133.6	122.9	128.4	94.7	128.8	136.5	132.5	135.9	122.8	126.9
1962	134.1	144.2	144.2	136.7	127.2	133.0	97.9	132.2	134.6	131.2	134.8	119.7	130.8
1963	135.2	144.1	143.9	134.4	128.3	134.7	93.5	132.9	137.9	135.5	140.8	124.1	132.1
1964	134.4	151.8	148.0	142.4	137.0	138.0	102.1	141.9	142.3	138.9	141.2	129.6	137.3
1965	139.0	147.2	147.4	138.1	130.4	131.6	97.4	138.6	142.0	139.3	141.0	130.8	135.2

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Leather boots and shoes (1949 percentage weight 0.307)													
1946	113.5	124.0	135.3	125.6	126.4	129.2	91.1	119.2	116.7	115.6	120.5	103.1	118.4
1947	105.1	121.9	122.6	115.8	112.0	101.4	76.0	94.5	92.5	88.5	97.8	81.7	100.8
1948	86.2	104.8	103.4	103.1	91.7	84.9	62.7	87.9	91.2	97.6	96.5	86.7	91.4
1949	89.2	110.3	112.8	110.6	107.8	106.7	77.5	99.0	108.3	101.2	93.9	82.7	100.0
1950	85.9	106.8	105.7	99.6	89.5	86.9	66.4	91.4	104.0	102.8	100.5	88.4	94.0
1951	94.2	114.6	117.3	118.7	105.0	90.7	62.8	90.9	91.3	83.4	82.2	67.4	93.2
1952	84.3	109.7	117.2	111.3	111.4	104.4	76.1	107.6	110.4	111.2	113.3	93.5	104.2
1953	108.8	133.3	133.6	129.4	128.4	106.5	80.2	111.9	105.3	101.8	97.6	85.6	110.2
1954	101.5	120.7	123.1	118.2	106.2	101.4	75.3	103.5	105.5	94.9	90.8	80.4	101.8
1955	101.9	115.9	118.8	116.0	110.2	109.2	71.9	106.0	116.7	110.6	108.6	98.2	107.0
1956	117.6	133.9	134.4	130.5	119.4	120.2	78.4	118.3	124.5	113.0	117.8	98.6	117.2
1957	117.6	134.6	143.2	130.7	127.2	119.4	82.3	120.8	122.8	112.9	114.9	97.0	118.6
1958	112.2	133.1	137.2	124.5	121.2	118.3	82.3	127.2	128.2	122.9	122.8	102.8	119.4
1959	124.9	149.7	144.7	146.4	137.7	133.5	91.2	133.9	130.4	127.3	121.8	109.0	129.2
1960	128.4	141.7	141.3	130.5	114.5	115.2	77.6	125.9	135.2	123.9	118.7	106.4	121.6
1961	122.8	149.0	146.3	144.3	127.4	133.6	93.6	136.1	141.1	133.9	136.8	118.9	132.0
1962	138.4	155.9	155.8	146.1	134.4	140.7	95.2	139.9	140.1	130.1	134.8	112.4	135.3
1963	140.5	152.9	154.8	139.0	130.4	136.2	87.0	137.8	141.7	136.2	141.7	117.2	134.6
1964	133.5	159.5	156.3	146.7	137.5	138.2	93.1	146.3	140.6	134.4	136.6	120.3	136.9
1965	138.6	151.7	153.2	140.7	128.8	128.8	88.1	139.5	142.7	138.9	138.2	122.7	134.3
Total textiles (1.623)													
1946	92.4	98.9	96.3	93.5	89.7	84.0	77.2	83.4	87.3	87.9	86.8	86.8	88.7
1947	91.1	101.9	103.9	99.1	96.4	94.0	85.3	90.2	93.0	92.6	91.7	88.8	94.0
1948	97.1	104.9	99.6	101.2	96.7	96.1	89.2	91.9	97.3	97.5	98.5	97.4	97.3
1949	103.7	109.8	105.8	106.0	95.2	96.2	87.1	89.9	98.9	101.2	102.7	103.6	100.0
1950	103.8	116.3	115.2	115.4	103.9	106.5	98.4	97.5	122.9	118.3	125.2	126.4	112.5
1951	118.8	134.7	132.4	136.0	120.6	124.3	89.2	97.8	113.9	102.2	105.3	105.5	115.1
1952	104.1	108.8	110.0	101.5	95.4	94.1	86.5	94.8	107.1	118.2	121.2	111.8	104.5
1953	117.3	127.6	124.2	127.7	117.2	110.2	91.1	100.8	112.8	107.1	104.8	92.5	111.1
1954	92.4	101.1	104.0	95.6	98.0	98.3	78.1	96.4	110.9	109.0	108.9	109.4	100.2
1955	111.4	125.8	123.9	121.3	119.3	121.4	90.6	115.1	124.2	128.5	129.8	128.9	120.0
1956	120.0	134.7	132.3	129.0	116.3	128.4	95.9	113.5	129.7	129.6	132.6	130.9	124.4
1957	125.1	144.7	135.3	129.3	124.2	126.5	98.2	122.9	128.7	123.9	133.7	112.3	125.4
1958	108.1	119.1	115.1	117.1	118.0	123.7	95.5	123.5	131.5	135.3	140.8	126.8	121.2
1959	128.8	144.4	139.9	144.9	138.3	140.9	108.4	138.4	142.0	144.0	144.0	129.6	137.0
1960	139.9	146.3	152.4	141.1	140.0	143.6	104.5	130.4	140.1	145.0	144.5	139.0	138.9
1961	141.2	150.7	151.8	147.5	149.5	159.7	124.0	145.9	163.0	163.7	166.7	162.0	152.1
1962	159.0	174.5	171.3	162.5	169.9	176.4	138.9	155.1	176.5	178.4	182.5	167.7	167.7
1963	171.9	184.7	187.4	181.5	185.7	196.6	141.9	180.6	199.3	202.4	201.7	198.2	186.0
1964	193.0	208.3	204.0	214.7	201.8	213.8	160.5	195.1	213.1	212.5	218.4	203.8	203.3
1965	204.1	228.9	215.4	208.2	223.4	228.6	173.9	214.7	245.5	238.5	231.2	235.1	220.6
Cotton goods (0.507)													
1946	91.3	104.9	101.8	93.1	93.4	72.1	66.5	74.2	86.5	90.6	88.7	87.9	87.6
1947	78.7	104.2	116.0	101.4	107.0	98.5	89.5	91.5	97.8	94.9	92.8	84.5	96.4
1948	93.5	108.5	99.6	107.2	108.2	103.8	98.4	92.5	106.1	105.7	109.7	105.7	103.3
1949	107.7	116.0	109.5	111.4	93.2	94.2	81.8	72.8	95.3	101.5	106.8	109.8	100.0
1950	107.5	121.8	117.7	120.7	114.4	116.4	116.3	83.9	126.5	118.5	130.5	123.9	116.5
1951	114.0	134.7	135.2	139.7	126.9	128.9	87.4	81.2	110.6	103.5	102.4	86.9	112.6
1952	91.3	96.3	100.1	79.4	73.2	69.1	72.7	74.8	94.7	107.1	104.9	99.5	88.6
1953	104.6	111.6	102.3	110.6	96.8	89.9	71.1	75.8	98.5	82.3	87.3	73.1	92.0
1954	71.6	87.3	96.5	78.5	83.4	72.9	60.8	79.7	97.7	92.9	92.2	97.0	84.2
1955	92.7	109.7	109.1	104.4	107.2	102.7	69.6	97.2	108.1	110.8	111.5	103.4	102.2
1956	103.6	113.9	108.2	113.2	89.5	99.1	67.5	101.7	109.3	113.7	121.1	100.0	103.4
1957	106.5	127.2	109.5	106.1	99.4	104.4	75.3	104.8	108.5	107.0	116.8	88.7	104.5
1958	94.3	100.6	96.0	96.4	93.0	94.3	60.4	98.1	112.8	105.4	114.7	91.8	96.5
1959	103.2	119.2	117.8	120.8	108.6	106.3	60.8	102.5	103.3	103.7	103.9	89.4	103.3
1960	96.7	103.8	111.5	103.0	102.7	98.8	63.1	94.1	101.0	107.6	110.4	102.5	99.6
1961	105.6	111.3	109.3	107.7	111.6	110.6	76.7	107.5	121.7	129.9	128.5	116.4	111.4
1962	119.2	134.3	135.0	129.9	126.7	114.2	82.7	106.5	126.4	130.9	126.1	111.8	120.3
1963	115.6	125.7	126.5	126.0	122.8	132.2	82.1	127.0	140.5	144.3	144.4	136.8	127.0
1964	134.9	152.5	136.8	162.9	139.5	141.8	95.3	143.5	151.0	152.0	154.4	129.8	141.2
1965	144.4	173.1	161.2	137.1	150.3	139.8	100.3	150.0	176.0	160.5	149.8	153.9	149.7

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Woollen goods (1949 percentage weight 0.300)													
1946	119.5	122.2	118.4	117.9	103.4	109.3	95.6	107.0	104.3	100.1	98.2	100.4	108.0
1947	122.7	125.5	121.7	121.2	106.2	112.3	98.2	110.0	107.3	102.9	100.9	103.2	111.0
1948	117.7	120.3	116.6	116.2	101.9	107.6	94.1	105.4	102.7	98.6	96.7	99.0	106.4
1949	109.8	112.1	108.4	107.9	94.5	100.0	87.8	99.0	97.2	94.1	93.1	96.1	100.0
1950	92.9	104.9	106.8	108.8	89.9	101.3	87.9	95.6	118.1	109.9	113.7	117.0	103.9
1951	113.1	122.8	115.6	122.8	89.3	94.3	63.1	82.9	89.4	79.2	83.9	92.2	95.7
1952	79.5	93.8	92.1	76.0	76.6	80.3	64.5	67.7	76.3	83.2	89.1	85.7	80.4
1953	93.2	105.6	101.8	94.6	97.9	89.5	82.7	86.5	87.6	88.0	79.2	68.7	89.6
1954	73.1	70.2	67.2	61.9	63.4	72.3	54.7	69.3	82.8	83.2	79.9	86.2	72.0
1955	86.7	94.6	92.2	87.8	86.2	91.7	65.6	82.8	95.7	100.9	100.0	99.3	90.3
1956	93.2	108.9	101.2	100.1	91.3	104.1	74.0	76.5	96.4	92.3	92.9	99.7	94.2
1957	82.7	105.9	108.3	91.4	88.6	103.2	70.8	84.2	86.4	78.4	87.0	70.4	88.1
1958	67.3	77.0	74.8	73.5	77.6	72.6	55.3	76.8	78.4	86.0	91.4	72.9	75.3
1959	70.9	90.8	78.6	85.3	87.6	90.1	67.7	91.2	101.6	93.0	94.9	81.4	86.1
1960	88.5	86.6	90.6	79.6	69.7	79.6	53.8	81.2	83.1	85.8	82.3	75.7	79.7
1961	71.6	80.0	81.7	80.5	75.3	96.1	68.0	77.2	92.0	86.4	89.9	79.4	81.5
1962	72.1	83.0	77.9	91.0	82.8	98.8	74.4	84.4	101.3	94.8	91.0	83.0	86.2
1963	78.9	90.9	85.5	73.4	94.9	109.3	73.7	91.8	98.9	107.8	100.5	88.8	91.2
1964	93.4	96.4	90.2	102.0	94.5	96.4	74.2	83.0	93.5	98.9	91.3	80.6	91.2
1965	84.7	84.8	85.7	78.2	91.7	103.7	71.7	85.6	109.1	104.8	90.4	85.0	89.6
Synthetic textiles and silk (0.429)													
1946	73.6	79.7	75.0	74.0	69.7	70.0	60.4	67.5	70.7	71.2	69.8	69.2	70.9
1947	80.1	86.8	81.6	80.6	75.9	76.2	65.8	73.5	76.9	77.5	75.9	75.4	77.2
1948	89.5	96.9	91.1	90.0	84.7	85.1	73.4	82.1	85.9	86.5	84.8	84.1	86.2
1949	97.9	107.9	103.1	103.3	98.7	100.2	87.1	97.5	102.1	102.7	100.4	99.3	100.0
1950	104.8	124.0	122.1	118.9	99.5	100.2	79.4	107.8	131.9	124.1	131.3	143.3	115.6
1951	127.7	154.2	150.4	154.3	138.8	151.7	93.1	120.8	143.3	115.7	123.7	135.6	134.1
1952	134.8	133.5	129.6	130.5	113.6	110.2	91.0	118.5	129.9	147.6	155.4	129.3	127.0
1953	139.7	158.6	155.3	162.8	138.7	129.7	91.2	122.2	135.7	130.7	122.3	100.8	132.3
1954	100.8	117.9	120.3	114.0	115.5	124.8	77.5	115.4	134.1	127.8	125.2	124.8	116.5
1955	142.6	162.6	152.3	151.2	139.7	149.2	94.5	143.4	147.9	151.6	155.1	164.3	146.2
1956	136.3	166.7	170.0	152.0	137.9	163.0	101.5	128.8	163.2	155.2	152.2	166.0	149.4
1957	150.3	183.5	167.0	161.5	154.2	147.4	99.6	150.0	163.1	149.7	168.2	135.8	152.5
1958	120.6	148.8	139.7	146.2	147.6	169.8	117.6	163.8	170.9	183.3	187.0	175.5	155.9
1959	173.1	198.5	191.0	199.6	184.4	193.5	141.7	191.1	192.2	201.2	201.2	177.7	187.1
1960	204.8	222.0	233.6	208.7	211.8	223.7	139.1	181.1	203.9	209.4	205.8	201.7	203.8
1961	212.2	234.3	237.7	222.7	227.4	250.1	176.7	216.5	248.4	241.3	249.6	256.2	231.1
1962	248.4	281.4	271.6	233.4	267.9	291.6	202.0	229.0	270.2	272.0	295.1	264.5	260.6
1963	282.2	310.8	322.7	307.1	309.3	327.2	206.9	286.3	329.1	326.4	326.4	330.5	305.4
1964	310.6	344.4	350.4	350.3	332.8	373.3	246.4	313.0	358.2	348.6	374.1	358.5	338.4
1965	345.1	408.5	367.6	369.8	401.1	426.1	292.2	374.2	435.2	425.8	417.3	432.5	391.3
Total clothing (1.801)													
1946	97.3	103.5	105.3	97.3	94.3	89.6	86.8	91.8	97.8	96.7	94.2	88.6	95.3
1947	100.7	105.3	105.9	96.6	91.8	85.3	80.6	83.9	90.8	90.7	90.0	85.5	92.2
1948	98.1	105.5	107.4	99.0	95.9	91.2	88.5	94.5	100.9	100.3	98.0	92.2	97.6
1949	104.9	107.0	107.2	104.6	93.8	92.8	94.1	99.8	103.7	103.7	102.7	85.9	100.0
1950	102.4	103.8	105.8	103.2	95.9	95.9	92.2	98.5	105.6	109.1	109.4	93.7	101.3
1951	110.1	111.6	111.9	111.3	103.4	96.3	95.7	99.6	100.7	97.4	96.3	76.6	100.9
1952	100.0	106.8	113.6	112.5	108.5	104.0	105.5	114.5	122.7	123.6	122.2	96.2	111.0
1953	122.5	126.8	127.6	121.7	113.9	106.5	106.9	113.4	117.0	113.3	107.8	89.4	113.9
1954	110.3	116.2	117.2	108.3	98.6	100.0	104.5	113.5	115.0	115.7	111.4	97.4	109.0
1955	112.8	117.5	115.9	113.0	108.6	105.9	108.8	119.5	123.1	125.8	123.8	106.4	115.1
1956	127.0	131.1	125.1	127.0	122.0	118.0	118.3	126.9	130.8	130.5	127.7	101.3	123.8
1957	130.3	133.6	134.7	126.1	121.0	119.1	121.9	131.1	125.4	126.3	121.8	99.3	124.2
1958	122.0	123.3	125.3	120.8	117.6	115.7	119.7	129.6	127.0	129.7	125.7	102.9	121.6
1959	131.0	135.5	130.8	128.3	127.0	124.9	124.4	134.3	139.9	135.9	129.1	108.2	129.1
1960	131.3	133.1	132.1	126.6	120.7	121.5	124.1	135.2	134.5	136.0	130.2	110.8	128.0
1961	132.3	136.9	135.1	131.9	128.4	132.4	131.0	142.5	146.1	144.7	139.3	117.1	134.8
1962	140.1	144.0	147.8	138.4	137.4	139.8	140.8	150.2	153.3	150.5	144.8	115.6	141.9
1963	147.7	151.6	152.5	148.8	146.0	145.7	146.2	158.6	160.7	161.1	156.3	128.3	150.3
1964	163.6	168.6	161.9	160.7	160.6	159.2	159.1	171.9	172.1	171.1	166.9	145.1	163.4
1965	169.4	172.4	173.8	166.4	165.0	166.3	168.4	179.2	178.0	181.4	177.4	156.8	171.2

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total paper products (1949 percentage weight 2.649)													
1946	75.1	78.0	79.3	80.0	80.7	81.2	78.5	82.6	81.8	85.8	86.8	81.4	81.0
1947	87.4	88.0	90.1	89.5	89.1	90.0	86.3	90.0	87.8	91.6	92.6	86.4	89.1
1948	89.7	94.2	94.7	97.1	97.6	96.7	93.1	95.4	93.7	98.2	98.1	90.1	94.9
1949	98.0	100.6	99.1	98.9	100.2	100.6	95.0	99.2	100.7	106.0	104.5	97.2	100.0
1950	99.3	103.2	104.0	104.5	106.9	109.9	107.7	109.1	112.7	117.1	115.4	109.1	108.3
1951	109.3	115.7	114.9	118.4	119.8	118.9	116.4	120.3	116.6	120.8	120.8	111.6	117.0
1952	111.9	118.0	116.7	109.0	108.9	109.6	107.2	113.5	111.6	116.1	117.9	107.3	112.3
1953	108.7	114.0	118.0	117.3	120.8	118.8	117.5	119.7	119.4	124.2	124.8	114.4	118.1
1954	114.5	123.1	120.1	121.9	123.6	125.2	119.9	125.1	124.0	128.8	126.6	113.9	122.2
1955	116.6	125.1	123.8	127.5	128.1	126.9	124.1	129.3	129.0	135.0	135.6	125.4	127.2
1956	129.4	135.3	134.9	136.3	138.0	141.9	135.9	140.8	139.5	141.0	139.3	129.2	136.8
1957	130.6	138.9	142.1	136.8	140.2	139.2	133.1	140.1	135.2	135.3	131.3	109.1	134.3
1958	115.5	128.3	131.7	133.0	137.0	135.8	132.5	138.0	137.2	145.2	142.0	125.6	133.5
1959	130.5	136.4	136.8	142.2	147.6	145.4	141.4	145.3	145.6	155.0	154.4	139.6	143.4
1960	141.5	147.1	149.0	147.2	154.6	154.0	149.1	153.5	153.6	159.4	161.4	140.7	150.9
1961	144.0	150.0	151.0	155.2	158.9	161.4	155.8	160.2	159.4	166.8	167.1	150.1	156.7
1962	150.4	159.1	162.5	162.3	164.7	168.4	161.6	167.2	169.7	172.0	172.2	153.6	163.7
1963	152.7	155.8	166.5	164.9	173.1	172.7	165.2	175.2	178.8	179.6	183.3	173.5	170.1
1964	167.5	179.9	183.1	187.0	182.9	185.8	179.9	191.7	192.9	196.7	202.0	186.0	186.3
1965	179.6	192.0	197.6	192.7	197.8	199.9	192.9	205.3	203.7	211.2	208.5	199.0	198.3
Pulp and paper (2.108)													
1946	74.6	77.9	79.1	80.1	80.6	81.0	77.4	82.3	80.6	85.3	86.4	80.3	80.5
1947	86.9	87.1	89.5	88.9	88.8	90.4	86.2	91.2	88.2	92.2	93.2	86.0	89.1
1948	89.2	93.9	94.6	98.2	99.4	98.4	93.9	96.3	93.1	97.7	97.8	89.1	95.1
1949	99.3	103.1	101.3	100.8	101.7	101.1	93.7	97.7	97.9	104.4	103.3	95.8	100.0
1950	98.8	103.9	104.9	104.7	107.6	109.7	106.5	108.3	111.7	116.0	115.6	109.3	108.1
1951	109.2	116.7	115.7	119.2	121.0	120.0	117.0	121.5	116.5	122.0	123.5	113.7	118.0
1952	113.9	121.6	120.7	111.0	109.9	109.8	106.1	113.1	109.2	115.2	118.4	107.1	113.0
1953	108.6	113.4	119.1	118.2	121.5	117.2	115.6	117.9	117.1	123.1	124.7	113.6	117.5
1954	114.1	124.0	120.8	123.4	124.4	125.0	117.7	123.5	122.3	129.1	127.2	113.8	122.1
1955	116.7	126.4	125.3	129.5	129.0	124.0	120.0	126.8	125.6	133.0	135.0	124.4	126.3
1956	128.9	135.7	136.2	136.9	137.5	140.4	133.3	139.8	137.7	139.9	138.6	128.3	136.1
1957	130.1	139.9	142.1	136.7	139.5	136.6	128.8	136.7	130.6	131.4	127.4	101.8	131.8
1958	110.5	126.8	131.0	130.5	133.1	129.8	125.4	131.9	131.2	140.2	138.5	121.4	129.2
1959	128.2	135.2	134.1	139.3	145.7	141.2	135.8	140.2	140.1	152.1	152.7	136.6	140.1
1960	141.0	146.5	151.1	146.9	153.7	151.9	145.1	150.2	150.3	157.5	161.9	138.1	149.5
1961	144.0	153.1	152.8	154.8	157.6	156.4	150.3	154.4	156.5	164.6	166.0	147.1	154.8
1962	149.1	160.1	161.6	159.2	162.1	163.3	154.8	161.6	165.8	169.0	170.2	148.1	160.4
1963	148.1	153.4	164.9	161.4	169.3	166.3	157.7	168.7	172.9	174.3	180.5	169.6	165.6
1964	162.8	175.8	179.2	185.1	180.2	180.3	174.1	187.7	187.1	191.3	199.5	180.9	182.0
1965	176.2	191.2	195.7	188.4	193.7	193.7	184.2	197.1	194.2	203.9	202.6	192.6	192.8
Total printing, publishing and allied industries (1.273)													
1946	70.7	73.2	73.5	75.4	73.9	75.5	76.9	78.6	81.4	80.8	82.3	80.2	76.9
1947	80.6	80.9	83.4	83.2	81.9	84.2	83.0	82.8	82.6	83.8	87.8	88.2	83.6
1948	85.8	90.8	89.7	90.5	92.9	93.7	91.9	92.7	94.7	97.4	94.5	96.0	92.6
1949	96.0	100.7	96.6	101.0	101.8	103.1	99.0	95.8	99.2	99.5	102.2	105.2	100.0
1950	105.1	108.1	106.7	109.3	106.7	108.4	109.8	100.2	110.9	117.0	116.9	118.8	109.8
1951	108.4	113.6	113.1	109.2	114.3	110.8	111.8	110.7	112.7	118.2	115.8	115.6	112.9
1952	108.9	112.9	113.8	111.3	113.7	114.3	112.1	112.1	111.6	116.9	122.4	127.4	114.8
1953	117.5	123.2	127.6	122.2	126.5	126.5	121.8	121.3	124.7	132.3	133.7	130.7	125.7
1954	128.4	128.2	130.3	130.9	136.4	139.0	130.1	132.5	141.0	148.9	143.7	137.2	135.5
1955	131.8	139.5	140.2	137.4	146.5	142.4	139.4	137.6	142.0	147.3	153.3	149.7	142.3
1956	149.3	149.9	149.9	158.4	154.8	159.0	154.7	159.5	161.7	164.0	164.9	163.2	157.4
1957	154.9	167.7	165.5	163.8	163.4	167.2	158.4	153.5	160.3	155.6	153.0	155.0	159.9
1958	141.0	156.6	160.3	153.7	162.5	154.8	149.7	153.6	157.7	158.9	176.3	160.9	157.2
1959	150.1	160.3	170.3	171.5	172.7	169.1	160.8	163.5	176.4	182.7	182.7	175.1	169.6
1960	170.3	178.4	174.2	172.0	178.5	182.6	165.8	163.9	177.5	184.8	189.9	176.8	176.2
1961	172.3	175.4	184.3	180.3	182.1	173.9	168.0	171.6	187.3	192.3	191.7	185.4	180.4
1962	174.4	188.9	193.8	190.6	197.5	189.4	181.0	181.1	190.9	198.0	200.4	188.5	189.5
1963	180.3	187.4	195.7	196.5	199.8	197.5	182.4	186.5	205.5	209.9	204.8	196.6	195.2
1964	191.6	199.2	205.5	221.1	229.2	213.8	187.8	183.4	211.9	225.0	219.7	200.8	207.4
1965	200.4	218.5	217.8	229.5	230.9	222.4	205.9	212.4	222.8	243.3	245.8	229.9	223.3

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total products of petroleum and coal (1949 percentage weight 0.513)													
1946	62.8	61.3	68.5	66.5	79.8	75.6	76.5	77.4	82.1	84.0	81.2	76.3	74.3
1947	67.8	72.8	67.3	68.3	85.9	86.0	85.3	87.4	85.9	84.3	88.9	77.8	79.8
1948	76.4	74.6	72.4	80.1	92.7	94.8	97.1	98.8	104.0	104.3	101.9	81.8	89.9
1949	85.1	87.3	80.4	83.6	111.6	106.0	111.0	107.0	110.9	107.7	112.4	97.3	100.0
1950	94.7	96.0	92.2	96.0	111.7	123.6	125.4	119.6	126.3	124.3	122.9	109.9	111.9
1951	112.3	105.6	106.9	96.5	136.3	146.0	138.6	150.5	139.8	141.9	138.7	128.8	128.5
1952	134.0	132.9	109.0	115.5	129.7	140.4	152.5	152.3	157.8	155.2	152.4	149.1	140.1
1953	144.3	150.1	143.3	125.0	149.9	155.9	162.3	165.8	165.1	156.9	160.3	162.5	153.5
1954	167.1	171.5	147.1	129.7	167.0	177.9	173.3	176.2	166.6	170.4	171.5	161.5	165.0
1955	172.5	179.0	174.4	171.5	188.8	192.1	198.8	206.6	204.4	188.3	202.9	204.7	190.3
1956	214.1	210.9	197.1	185.1	202.2	224.8	238.4	247.1	250.6	240.6	234.4	227.5	222.7
1957	224.1	232.9	222.4	202.6	218.0	234.4	247.9	242.3	232.7	226.9	225.7	219.9	227.5
1958	233.2	224.9	211.7	190.2	210.7	230.1	251.6	240.8	240.0	234.6	245.1	246.5	229.9
1959	247.1	252.2	251.0	219.6	242.7	247.6	254.3	258.1	267.0	257.5	261.1	264.8	251.9
1960	273.5	266.8	260.2	240.4	256.0	272.1	271.4	267.6	265.5	257.9	267.7	261.8	263.4
1961	263.7	267.3	257.4	263.9	271.9	277.6	245.9	299.7	298.3	268.8	289.0	284.7	274.0
1962	293.1	302.0	276.9	262.6	277.8	271.8	271.4	304.1	306.4	312.2	307.1	307.4	291.1
1963	309.5	307.4	319.2	295.9	292.9	302.3	320.0	325.7	351.9	329.6	330.5	331.5	318.0
1964	337.4	342.0	320.4	306.3	302.5	333.3	328.5	343.6	329.6	323.8	339.8	353.7	330.1
1965	361.3	350.2	336.8	308.2	328.4	346.0	359.9	361.5	347.6	347.2	339.5	363.9	345.9
Petroleum products (0.454)													
1946	59.0	56.7	64.8	64.1	79.6	73.8	78.7	79.9	84.9	84.6	79.3	74.2	73.3
1947	64.3	70.5	64.9	66.5	86.6	87.0	86.6	88.7	86.3	84.8	89.1	76.1	79.3
1948	74.0	72.3	69.3	77.9	91.9	94.2	97.0	98.5	104.4	104.4	101.7	79.1	88.7
1949	82.5	84.9	77.2	80.9	112.4	106.3	113.6	108.7	112.7	109.3	114.7	97.0	100.0
1950	93.9	95.6	91.0	94.8	112.7	125.6	128.0	121.6	128.7	126.2	124.4	109.9	112.7
1951	112.5	104.8	106.9	95.1	140.3	151.2	143.3	156.5	144.5	146.2	142.0	131.3	131.2
1952	136.8	135.3	108.5	116.5	132.6	144.4	157.9	157.1	163.3	160.2	157.1	153.5	143.6
1953	148.0	154.4	147.7	126.9	155.1	161.3	168.5	172.5	172.2	162.5	166.0	169.3	158.7
1954	175.1	180.4	153.8	134.3	177.0	189.2	184.0	187.7	176.5	179.8	180.3	170.0	174.0
1955	181.7	187.3	182.2	178.8	198.5	202.2	210.0	218.7	215.6	197.0	213.6	215.7	200.1
1956	226.0	222.2	206.9	193.0	212.4	237.7	253.2	263.2	267.0	255.2	248.3	241.0	235.5
1957	236.7	246.1	234.4	212.4	229.8	248.6	264.2	257.6	247.2	241.6	239.9	234.7	241.1
1958	249.3	240.4	225.2	201.6	224.9	247.1	271.6	261.6	261.1	254.2	265.0	266.7	247.4
1959	267.0	271.9	269.9	234.0	259.2	265.8	273.4	277.5	288.0	276.4	279.8	284.3	270.6
1960	294.4	286.9	278.3	256.4	275.0	294.6	294.0	289.6	287.3	278.2	290.1	284.2	284.1
1961	286.1	289.7	277.7	284.1	292.9	299.0	263.3	324.5	322.8	289.8	312.4	308.6	295.9
1962	318.1	327.9	298.8	282.8	299.7	292.3	291.9	328.7	331.5	338.6	333.4	334.1	314.8
1963	335.7	332.2	345.6	319.1	316.0	326.5	346.5	353.0	382.8	357.4	358.4	359.5	344.4
1964	366.3	371.5	347.1	331.2	326.5	361.2	356.3	373.1	357.2	350.5	368.8	385.0	357.9
1965	392.6	381.3	365.1	332.7	355.2	375.8	391.2	393.0	377.3	377.2	368.4	396.1	375.5
Total chemical products (1.359)													
1946	81.5	85.2	86.4	87.3	87.8	91.9	79.2	86.1	91.6	91.1	89.5	86.8	87.0
1947	80.9	84.6	88.5	90.8	92.0	97.6	86.8	97.1	96.8	96.6	93.2	84.9	90.8
1948	86.4	93.5	93.9	97.0	97.9	99.7	88.2	97.8	102.8	101.1	98.1	93.1	95.7
1949	94.5	98.2	96.3	100.0	102.7	102.8	95.7	100.4	104.1	105.0	101.2	99.0	100.0
1950	99.1	101.7	103.8	107.3	107.6	113.2	105.6	108.6	117.2	114.6	115.5	113.1	108.9
1951	116.7	122.7	120.4	125.4	123.2	128.2	119.6	125.5	127.6	128.0	126.8	123.9	123.9
1952	123.3	129.7	130.0	133.3	137.0	137.2	129.8	133.3	136.5	136.7	139.6	129.8	133.0
1953	138.1	143.9	144.2	145.6	150.4	150.3	144.5	150.7	155.7	156.7	155.8	148.6	148.7
1954	158.3	164.1	161.8	159.2	165.4	164.6	145.7	157.8	168.3	168.9	169.6	157.7	161.7
1955	164.6	168.1	169.7	170.8	175.4	182.6	161.0	171.5	186.3	189.2	187.6	176.8	175.3
1956	182.8	184.0	189.1	196.5	195.6	202.1	179.7	186.9	203.1	201.7	197.5	190.1	192.4
1957	195.2	204.7	205.3	211.1	205.3	207.6	191.8	203.8	221.0	222.1	224.6	210.5	208.6
1958	215.1	216.7	219.3	228.3	233.1	228.9	201.1	213.8	228.6	229.6	235.1	215.0	222.0
1959	222.3	237.1	229.1	225.1	228.6	219.2	204.5	221.0	242.4	241.3	242.7	230.9	228.7
1960	240.6	248.5	253.5	253.5	250.0	250.0	230.4	237.6	254.3	254.0	242.4	234.4	248.5
1961	240.4	248.1	245.1	254.4	258.0	260.6	232.7	243.5	259.9	257.8	257.5	245.7	250.4
1962	255.0	263.7	272.1	278.6	277.4	277.5	249.0	251.6	262.9	261.7	257.4	248.4	262.9
1963	269.2	274.6	287.5	288.3	293.4	293.7	261.4	280.1	289.5	289.2	290.1	284.2	282.3
1964	289.1	311.2	317.4	312.1	314.4	318.1	276.9	307.6	329.0	324.5	329.8	321.9	312.7
1965	315.2	327.4	335.9	346.0	355.7	355.0	315.6	336.8	355.6	369.6	363.1	360.9	344.7

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Acids, alkalies, salts and fertilizers (1949 percentage weight 0.346)													
1946	88.4	87.2	87.8	87.3	90.3	88.9	84.7	81.4	81.0	83.0	85.8	86.5	86.0
1947	91.6	95.3	96.7	97.1	98.4	96.8	93.6	93.4	93.4	94.2	94.8	94.7	95.0
1948	95.5	96.7	98.5	99.8	100.2	97.9	97.2	97.5	97.0	95.5	94.2	94.2	97.0
1949	98.3	98.8	99.5	101.7	103.0	101.3	99.8	99.4	99.2	98.9	99.7	100.4	100.0
1950	99.2	100.5	104.9	109.6	112.0	111.7	109.2	110.3	114.7	115.8	117.0	118.7	110.3
1951	119.5	118.2	118.3	123.9	128.1	127.3	126.9	128.8	130.2	130.8	132.0	132.8	126.4
1952	133.2	129.6	126.0	130.2	133.1	130.0	129.1	130.0	130.6	131.2	131.9	133.6	130.7
1953	135.0	133.8	133.8	137.5	140.0	139.1	138.8	140.4	145.3	149.8	148.7	147.5	140.8
1954	149.7	152.4	152.5	155.4	160.9	160.4	155.8	154.1	156.8	160.1	160.4	160.8	156.6
1955	166.0	171.6	174.2	180.5	188.4	188.2	182.6	183.0	187.0	191.4	195.1	193.9	183.5
1956	193.8	196.2	199.2	206.0	213.3	212.7	205.1	201.7	206.4	213.2	213.7	214.3	206.3
1957	212.4	214.1	217.9	226.8	236.0	224.5	215.7	214.6	227.9	238.5	243.9	246.9	226.6
1958	270.1	275.0	274.0	284.5	281.5	258.3	210.7	236.3	268.9	266.6	278.4	277.0	265.1
1959	281.8	311.3	312.7	291.9	293.5	279.3	223.8	262.2	303.8	310.5	325.1	322.5	293.2
1960	321.8	344.1	348.3	332.4	319.9	302.9	285.4	299.4	315.8	323.7	320.7	324.4	319.9
1961	319.8	331.0	338.0	333.5	348.0	330.8	275.1	299.3	335.3	337.2	348.2	353.1	329.1
1962	355.2	350.9	379.7	379.4	383.7	353.1	304.7	305.8	323.0	330.5	337.8	348.2	346.0
1963	349.3	377.8	415.0	413.9	403.2	370.9	320.1	367.7	389.2	391.0	383.4	396.6	381.5
1964	377.3	424.8	426.7	427.1	421.0	401.6	331.8	388.5	452.4	435.6	453.6	457.6	416.5
1965	423.2	461.9	463.2	469.2	477.3	463.6	390.5	426.0	488.3	498.3	509.6	557.1	469.0
Total miscellaneous manufacturing (0.524)													
1946	77.6	74.3	76.2	77.3	77.8	79.7	81.4	82.0	82.8	84.0	85.3	83.7	80.2
1947	82.5	86.2	89.1	87.7	83.4	82.4	84.0	85.4	82.8	82.8	83.1	79.4	84.1
1948	79.2	80.5	79.6	78.9	76.9	76.7	79.5	80.5	82.0	85.5	88.9	88.8	81.2
1949	92.5	94.6	94.0	94.0	92.9	94.0	95.5	98.3	105.4	111.3	114.3	113.3	100.0
1950	110.8	110.4	111.5	113.2	113.2	115.2	116.6	117.8	124.2	129.9	133.2	131.9	119.0
1951	128.0	128.0	130.5	132.4	131.9	131.3	130.7	129.3	131.4	134.4	134.5	130.8	131.1
1952	127.4	128.5	132.3	134.8	134.9	134.8	135.3	139.6	136.1	156.7	161.5	160.3	141.2
1953	155.6	157.2	164.1	169.4	172.4	175.6	175.0	177.9	186.2	190.8	191.7	186.4	175.2
1954	178.7	175.9	177.5	176.3	172.6	173.0	174.3	176.7	183.0	188.4	190.4	186.0	179.4
1955	177.2	174.2	176.0	175.8	176.0	178.3	180.2	182.8	192.9	204.5	206.8	200.1	185.4
1956	192.4	190.8	195.4	200.0	201.0	201.5	202.5	206.0	215.0	223.6	225.5	218.4	206.0
1957	213.2	214.4	219.3	221.8	220.4	219.8	218.6	221.5	228.0	229.9	226.8	219.4	221.1
1958	212.6	211.1	214.6	220.3	223.3	225.6	227.8	232.2	239.5	243.8	245.3	241.0	228.1
1959	233.3	233.5	235.5	237.2	240.9	244.2	247.5	253.5	263.0	269.9	268.7	258.5	248.8
1960	251.1	252.3	257.1	259.8	257.9	259.6	262.4	266.9	276.1	284.2	286.7	276.7	265.9
1961	266.8	270.1	271.6	275.2	281.6	289.4	293.4	299.4	310.8	319.3	321.8	308.1	292.3
1962	291.9	287.0	286.6	284.6	282.5	287.6	292.2	302.3	317.2	328.9	336.0	327.1	302.0
1963	317.4	320.7	328.3	335.3	344.7	354.1	356.3	363.8	377.4	384.4	384.4	369.3	353.0
1964	358.1	363.9	367.8	367.0	374.2	384.5	386.9	397.5	411.9	416.9	413.0	396.3	386.0
1965	382.0	380.1	385.6	389.3	390.8	403.6	411.1	418.9	432.2	436.9	436.4	420.5	407.3
Total durable manufacturing (12,598)													
1946	73.2	76.0	78.4	80.8	82.7	84.9	81.4	78.2	78.6	80.3	82.9	80.8	79.9
1947	85.2	89.7	91.3	91.9	94.4	97.8	94.7	94.1	97.2	97.4	96.2	90.0	93.3
1948	92.2	95.0	98.8	99.9	100.4	101.7	95.7	96.7	102.0	101.2	100.9	96.6	98.4
1949	95.9	99.1	103.1	101.5	102.7	106.4	98.4	97.4	101.5	99.9	97.4	96.7	100.0
1950	94.3	99.1	99.7	98.6	103.6	112.8	109.9	105.4	114.9	115.0	113.6	111.3	106.5
1951	115.6	122.1	124.2	123.5	126.2	128.1	118.2	116.2	121.4	118.9	117.9	110.1	120.2
1952	115.6	120.4	123.9	124.3	129.1	131.4	119.5	123.4	132.0	132.2	130.6	126.7	125.7
1953	130.9	139.3	142.2	139.3	142.0	143.0	134.6	128.9	135.5	134.4	128.2	126.7	135.4
1954	126.7	134.0	131.4	130.2	129.3	130.6	123.3	121.7	122.4	123.9	125.1	123.2	126.8
1955	126.6	133.2	140.0	141.8	148.4	152.1	144.0	141.7	147.2	148.9	147.8	141.4	142.8
1956	140.4	147.0	155.4	161.3	162.7	168.8	162.8	153.0	159.2	162.7	166.5	156.5	158.0
1957	153.9	158.1	162.2	157.3	162.1	164.0	154.1	147.4	145.5	147.4	152.0	135.4	153.3
1958	139.3	142.3	144.2	144.2	153.6	156.9	144.0	137.6	141.2	141.5	147.6	138.3	144.2
1959	142.9	150.9	152.6	156.4	162.1	170.5	156.7	145.5	157.1	166.1	155.5	150.3	155.5
1960	157.8	159.5	161.7	156.9	162.5	166.0	149.4	144.1	152.3	155.7	154.8	145.2	155.5
1961	143.7	150.3	152.2	152.7	159.7	170.4	155.4	154.9	166.9	170.0	170.9	160.3	158.9
1962	159.1	169.7	172.4	173.0	183.6	193.6	177.0	170.5	186.3	190.9	189.7	176.7	178.5
1963	178.5	186.7	186.7	188.6	198.3	207.9	181.5	176.4	199.6	203.3	210.7	196.6	192.9
1964	200.0	210.1	209.9	214.7	219.8	225.9	196.3	200.8	220.8	219.5	226.5	207.9	212.7
1965	217.6	224.9	236.0	234.3	242.6	252.8	227.6	215.8	238.7	250.7	257.7	247.4	237.2

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total wood products (1949 percentage weight 2,108)													
946	73.1	81.2	80.7	78.1	84.2	101.6	103.5	102.1	100.5	88.8	75.8	72.0	86.8
947	85.8	94.3	93.6	89.8	97.1	113.8	116.3	117.3	109.5	98.1	84.6	78.3	98.2
948	89.8	100.2	99.5	92.6	106.4	116.5	116.4	113.9	107.6	95.8	87.3	80.4	100.6
949	88.0	94.3	96.9	87.0	107.1	122.8	114.3	112.2	105.5	96.9	89.5	85.5	100.0
950	79.5	94.8	99.8	90.3	104.6	130.2	131.7	128.3	122.0	114.4	102.5	100.4	108.2
951	107.4	119.4	114.4	105.5	120.6	140.7	131.3	125.0	118.5	106.7	96.3	91.8	114.8
952	98.1	111.5	117.5	100.1	121.1	125.2	109.3	141.0	133.0	124.1	113.4	108.5	116.9
953	120.0	135.6	133.4	112.2	135.2	144.6	135.2	142.0	130.4	116.1	105.9	103.3	126.2
954	105.5	120.7	120.9	107.8	124.5	139.7	140.4	141.8	136.9	129.8	119.5	115.7	125.3
955	133.2	136.9	137.5	119.8	137.2	155.0	151.8	151.0	154.3	142.9	125.0	129.2	139.5
956	134.8	144.2	145.0	128.1	139.7	161.4	155.4	158.5	159.7	142.0	132.2	120.5	143.5
957	119.0	137.0	143.5	123.2	138.2	157.9	145.6	150.4	143.5	130.5	117.2	109.4	134.6
958	118.6	130.0	133.4	117.7	138.3	150.9	143.3	149.9	148.7	144.3	132.5	121.5	135.8
959	133.2	147.3	146.9	135.1	152.2	172.1	142.0	132.9	142.8	149.6	133.8	133.2	143.4
960	140.0	148.6	148.2	131.1	146.1	162.3	149.7	154.9	149.8	140.8	126.6	124.9	143.6
961	127.9	140.3	143.7	129.6	142.2	162.0	155.5	157.0	158.2	147.2	138.8	136.1	144.9
962	141.6	158.3	160.6	144.0	156.5	175.8	166.1	169.1	175.4	161.4	148.8	146.2	158.6
963	150.4	171.3	169.6	149.6	165.2	187.8	172.3	176.3	179.9	170.8	159.1	154.9	167.3
964	165.3	184.7	181.4	164.2	170.7	178.9	174.3	188.7	184.4	177.6	166.9	154.7	174.3
965	168.1	183.7	183.7	171.1	176.9	191.6	178.7	189.7	195.3	188.7	177.3	175.7	181.7
Saw and planing mills (1,444)													
946	66.6	77.7	76.2	71.7	80.1	104.7	106.3	103.7	101.2	83.9	64.3	58.7	82.9
947	79.2	90.6	89.4	83.8	94.7	120.0	123.4	124.2	113.1	96.3	75.9	66.4	96.4
948	82.8	97.5	96.7	87.5	108.9	124.6	125.3	122.5	113.6	95.7	82.3	72.3	100.9
949	82.4	91.6	95.3	81.7	112.7	135.6	121.8	117.5	106.9	93.8	82.7	77.9	100.0
950	71.0	94.1	101.1	87.8	109.3	145.3	145.8	140.6	130.4	117.3	98.9	95.5	111.4
951	106.2	124.2	117.7	104.6	127.4	157.8	144.5	135.2	125.6	108.1	93.0	86.8	119.3
952	96.6	116.1	124.2	98.7	129.0	134.1	110.3	155.0	140.7	126.2	110.5	104.1	120.5
953	121.8	144.8	142.0	111.3	145.1	159.0	145.3	154.8	136.5	114.1	98.6	95.8	130.8
954	100.8	124.1	124.6	105.9	131.4	153.5	153.1	153.7	145.0	133.4	117.7	113.1	129.7
955	140.2	145.5	146.1	120.1	144.9	170.0	163.7	160.4	163.2	145.2	117.9	112.9	145.2
956	135.3	149.5	150.5	125.6	142.1	173.9	164.4	167.1	166.6	139.4	125.3	109.8	145.8
957	110.1	137.7	147.0	118.5	140.7	168.6	150.1	155.9	144.5	126.2	108.0	99.0	133.9
958	116.0	134.2	138.2	113.9	141.9	159.3	147.4	155.6	152.5	145.4	128.5	114.2	137.3
959	133.2	153.9	153.0	134.8	157.3	185.1	140.9	126.2	139.0	148.7	126.8	128.9	144.0
960	142.0	155.4	154.9	129.7	151.2	173.5	153.6	159.4	150.5	137.9	119.3	119.6	145.6
961	126.6	145.8	150.8	129.4	145.7	172.3	161.3	161.4	160.7	144.1	132.5	130.7	146.8
962	140.7	165.7	166.6	143.8	160.6	186.6	170.9	173.8	180.7	160.3	143.6	141.9	161.4
963	150.4	182.6	180.4	150.8	172.5	204.2	180.5	183.7	186.3	173.2	157.3	152.6	172.9
964	169.8	198.6	193.6	168.6	177.0	187.7	180.6	199.7	191.1	180.3	164.8	148.0	180.0
965	169.5	191.8	189.3	169.5	177.7	198.2	178.7	193.5	199.0	187.7	170.3	168.9	182.8
Veneers and plywood (0,122)													
946	73.5	74.5	75.6	75.7	74.7	71.8	79.7	82.9	84.5	87.4	89.5	86.7	79.7
947	88.0	93.8	96.8	98.7	103.2	110.4	116.2	120.5	115.5	114.9	109.6	107.8	106.3
948	100.7	116.3	121.6	123.5	119.2	112.3	100.5	108.3	122.2	128.6	113.6	118.8	115.5
949	99.2	107.5	110.1	106.0	108.1	101.6	78.7	93.7	101.8	105.2	97.8	90.3	100.0
950	88.2	103.1	121.0	117.9	124.3	131.3	104.7	119.8	120.7	129.0	134.9	128.3	118.6
951	138.6	157.8	149.2	159.5	161.7	159.0	129.0	133.0	144.8	137.9	127.5	130.0	144.0
952	126.9	163.4	164.3	157.7	167.1	117.3	86.5	172.9	168.5	166.6	167.2	179.0	153.1
953	207.2	208.7	213.3	202.0	207.3	199.8	163.2	194.9	208.6	186.9	181.8	153.2	193.9
954	170.1	194.3	201.7	197.2	209.2	205.6	167.7	206.5	215.7	223.7	212.0	197.4	200.1
955	230.9	245.6	244.8	238.6	236.3	252.5	199.2	238.4	262.5	258.4	250.4	235.6	241.1
956	262.7	272.0	259.6	275.1	262.6	258.8	238.1	261.2	272.4	271.5	268.1	221.5	260.3
957	205.6	240.0	252.0	253.8	284.6	255.3	214.8	269.2	251.2	284.9	220.0	208.7	245.0
958	231.2	257.1	261.0	255.6	251.9	255.9	207.1	258.2	279.0	333.3	274.9	252.6	259.8
959	257.9	302.2	287.0	312.9	277.0	310.6	113.3	92.5	218.5	294.5	307.5	294.5	255.7
960	291.1	320.3	321.1	298.9	311.9	296.8	183.3	225.1	246.2	242.3	260.4	240.5	269.8
961	244.4	270.2	296.1	292.7	317.9	330.0	268.9	320.3	331.9	294.9	310.8	288.3	297.2
962	298.2	344.5	333.6	338.2	333.2	343.1	313.7	294.5	360.4	338.2	335.2	336.9	330.8
963	334.6	375.5	354.8	356.0	356.3	363.5	300.8	320.2	394.9	384.1	387.8	372.4	358.4
964	394.9	420.8	416.2	423.4	390.2	393.4	348.3	378.4	403.3	406.2	412.5	384.7	397.7
965	401.4	428.2	420.0	412.2	375.9	380.0	296.5	427.7	429.2	427.2	435.4	412.0	403.8

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Sawmills (1949 percentage weight 0.994)													
1946	67.3	82.5	80.1	73.2	85.1	121.0	121.7	116.8	113.0	87.5	58.9	51.6	88.2
1947	80.2	94.6	92.0	83.9	99.6	135.7	139.5	139.6	124.1	100.2	70.5	56.7	101.4
1948	82.1	100.8	98.0	83.1	113.8	135.9	136.6	129.6	114.7	88.5	71.5	57.9	101.1
1949	75.9	88.9	93.6	74.2	119.3	152.5	133.9	124.6	107.8	88.5	72.9	67.9	100.0
1950	60.0	91.9	98.8	79.4	108.8	157.5	158.9	148.9	133.2	113.0	86.9	83.9	110.1
1951	98.9	123.6	116.1	95.8	127.7	170.8	153.4	139.2	124.5	100.6	80.2	72.1	116.9
1952	88.7	113.7	124.3	86.9	128.2	141.0	110.1	162.0	139.2	118.4	95.5	85.2	116.1
1953	109.6	143.8	139.1	96.2	144.3	164.6	148.0	157.1	129.1	100.5	80.4	81.4	124.5
1954	88.6	119.9	119.4	93.3	128.6	158.1	158.3	153.0	138.5	120.5	100.7	98.3	123.1
1955	135.3	141.1	141.1	103.5	138.3	169.4	163.8	152.6	153.2	128.5	91.2	105.7	135.3
1956	120.3	140.6	143.8	105.6	129.7	174.7	162.4	162.7	160.0	121.6	103.4	89.4	134.5
1957	95.9	133.5	144.4	103.2	131.2	172.4	148.6	149.7	135.7	106.5	90.0	80.5	124.3
1958	104.9	128.5	132.8	97.0	135.4	156.9	143.5	147.8	140.2	123.4	107.7	92.7	125.9
1959	122.0	146.8	147.4	117.4	150.7	183.5	142.5	123.7	127.3	133.1	102.2	110.3	133.9
1960	132.3	148.9	148.3	115.0	143.5	175.3	159.2	161.8	146.4	129.5	101.7	107.4	139.1
1961	119.4	143.7	147.5	116.2	134.2	167.1	156.0	149.0	146.3	128.4	111.6	113.8	136.1
1962	129.5	161.2	166.3	130.0	153.6	185.7	164.0	170.6	173.0	147.3	126.1	126.3	152.8
1963	140.6	182.2	181.1	138.7	169.1	211.1	182.3	183.5	178.4	161.6	139.0	135.4	166.9
1964	158.5	197.1	190.6	154.7	171.1	184.1	177.8	201.8	186.9	172.0	149.2	129.7	172.8
1965	160.2	189.5	186.8	159.9	175.7	202.2	181.6	185.8	194.3	179.8	153.8	155.6	177.1
Furniture (0.460)													
1946	85.1	87.4	89.1	89.9	90.6	92.2	93.8	94.7	95.7	97.2	99.5	100.6	93.0
1947	101.0	104.8	105.5	104.0	101.5	97.4	95.0	95.0	95.7	96.8	99.7	102.8	99.9
1948	106.4	107.4	107.3	104.2	99.1	95.5	92.0	89.0	89.0	92.3	97.3	99.3	98.2
1949	100.4	100.4	99.6	97.6	93.6	92.1	94.7	98.4	102.7	105.8	107.9	107.1	100.0
1950	103.9	102.5	102.8	101.7	99.9	102.1	105.8	107.0	110.2	114.8	118.0	119.2	107.3
1951	118.3	117.0	114.5	113.0	110.2	105.9	104.0	103.6	104.7	106.3	106.6	105.3	109.1
1952	103.9	103.9	104.8	105.4	106.4	108.5	111.2	115.3	122.1	127.1	128.5	127.2	113.7
1953	125.7	125.3	124.5	123.5	122.7	121.8	121.3	123.5	128.1	133.1	135.5	133.2	126.5
1954	129.2	126.7	125.8	124.3	120.8	120.1	122.7	126.8	132.4	136.4	139.2	137.6	128.5
1955	133.2	133.0	133.0	132.0	131.1	132.2	136.3	143.1	150.2	154.0	157.2	155.6	140.9
1956	150.0	148.4	148.5	148.0	147.9	146.3	147.7	153.8	161.2	165.6	165.3	161.7	153.7
1957	155.4	151.7	151.6	147.7	146.0	147.7	148.8	154.0	159.1	159.1	156.6	151.1	152.4
1958	142.0	138.0	140.0	142.8	146.7	147.3	149.4	155.2	160.1	163.3	163.0	158.4	150.5
1959	153.5	153.3	153.4	155.1	159.9	161.4	162.2	168.1	173.8	174.9	172.2	164.6	162.7
1960	156.0	153.9	152.8	152.8	152.8	154.7	158.0	164.9	170.3	170.9	167.4	160.6	159.6
1961	153.7	150.1	149.0	150.7	155.4	161.1	164.9	172.3	179.5	180.6	179.1	174.1	164.2
1962	168.8	166.6	167.0	168.1	171.6	176.7	180.5	185.9	193.9	195.2	191.0	186.2	179.3
1963	179.6	174.7	173.6	174.0	175.9	178.5	181.6	189.4	197.2	197.3	195.2	192.1	184.1
1964	186.1	183.7	183.8	183.7	186.3	188.3	188.9	195.0	202.4	205.3	205.4	202.4	192.6
1965	198.0	199.9	206.7	209.8	210.8	213.4	215.2	219.5	227.1	231.3	233.0	230.9	216.1
Total iron and steel products (4.026)													
1946	81.2	82.4	82.1	82.8	83.2	83.5	74.8	73.6	74.3	81.9	85.7	83.8	80.8
1947	86.4	91.1	92.2	94.6	96.2	95.1	89.5	92.9	96.0	98.5	99.0	92.2	93.6
1948	97.4	99.1	100.8	103.3	101.7	101.4	95.0	97.4	104.8	106.5	107.3	103.0	101.5
1949	107.6	97.8	109.9	106.5	99.8	100.0	89.8	91.2	96.0	95.1	99.3	97.0	100.0
1950	94.7	96.6	97.8	96.8	99.4	102.1	96.8	99.7	109.2	112.6	115.8	110.6	102.7
1951	113.8	116.7	119.1	122.6	122.9	120.8	109.8	112.8	119.5	120.8	124.3	113.8	118.1
1952	118.8	121.3	123.9	121.3	122.9	121.5	114.6	112.7	121.0	123.4	125.9	120.2	120.6
1953	118.5	120.5	123.2	122.9	120.3	120.4	109.7	113.0	119.2	120.1	119.6	108.7	118.0
1954	108.9	113.0	111.0	112.0	110.6	116.1	106.7	110.9	112.8	112.2	111.5	104.4	110.9
1955	107.1	115.3	119.7	125.1	131.5	135.3	123.6	135.0	142.8	146.9	147.9	138.4	130.7
1956	139.3	148.8	150.1	152.7	155.5	157.7	150.5	151.8	161.3	159.8	165.6	149.5	153.6
1957	152.0	157.9	160.9	155.6	159.5	160.4	150.4	144.6	147.2	147.8	143.5	127.4	150.6
1958	133.3	135.3	137.2	138.3	142.1	146.2	133.7	130.0	132.4	130.4	137.1	128.9	135.4
1959	136.2	141.8	145.8	152.7	155.7	162.7	155.6	156.8	165.7	172.8	168.3	156.3	155.9
1960	157.4	155.8	157.5	153.2	155.1	156.5	142.0	145.1	150.4	151.6	153.0	140.5	151.5
1961	140.6	145.1	150.9	151.9	157.3	166.9	155.1	165.8	170.6	165.7	161.2	148.4	156.6
1962	149.8	161.1	164.5	167.6	176.7	186.8	174.6	183.1	190.0	185.0	186.0	169.3	174.5
1963	172.6	183.1	187.1	188.5	196.2	203.9	184.4	190.3	200.2	199.6	201.4	185.3	191.0
1964	191.4	201.6	206.5	215.0	220.7	223.0	208.4	216.6	223.5	226.4	230.6	218.2	215.2
1965	215.7	220.5	230.8	234.3	243.0	254.6	233.9	243.1	253.0	250.7	250.6	238.6	239.1

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Machinery (1949 percentage weight 0.851)													
1946	87.2	87.3	87.3	87.5	88.1	88.4	88.2	89.0	90.8	91.7	92.9	93.7	89.3
1947	95.7	100.2	102.0	103.5	104.9	104.9	104.3	103.9	102.2	105.4	105.2	103.6	103.0
1948	102.8	103.0	103.6	104.6	101.5	100.0	102.8	104.5	105.7	107.7	108.7	108.9	104.5
1949	109.1	106.7	106.8	105.0	100.5	98.1	97.4	96.3	96.3	94.8	94.6	94.4	100.0
1950	91.8	89.6	90.1	92.5	93.9	95.2	96.7	98.2	103.0	108.6	111.9	114.3	98.8
1951	116.3	116.9	119.8	122.5	120.5	114.3	109.4	109.2	115.9	122.1	123.4	122.3	117.7
1952	120.1	120.7	120.3	118.7	116.4	114.9	113.8	112.7	113.6	115.6	117.2	117.7	116.8
1953	115.1	112.1	111.0	109.7	108.9	108.7	107.1	107.4	111.5	115.0	116.3	116.5	111.6
1954	114.2	112.5	114.3	113.9	111.9	112.1	113.1	114.0	115.4	111.8	110.4	112.5	113.0
1955	111.2	111.7	112.8	114.5	116.2	118.2	118.7	120.4	125.9	130.3	131.9	131.9	120.3
1956	132.7	133.7	135.4	140.4	145.4	148.4	149.1	151.3	164.5	163.6	164.2	165.5	149.5
1957	165.6	164.7	163.3	161.5	161.2	161.2	157.1	153.8	153.0	150.6	147.0	143.7	156.9
1958	136.7	130.6	130.1	129.9	129.0	127.6	125.6	125.0	126.0	128.0	129.5	130.1	129.0
1959	130.2	131.5	132.8	136.2	142.0	147.4	148.8	147.7	149.1	152.9	153.7	150.9	143.6
1960	148.7	146.6	147.4	149.7	150.3	150.5	150.9	148.3	145.8	146.2	145.5	142.6	147.7
1961	139.5	139.4	142.5	145.2	147.2	149.6	152.2	153.9	156.3	158.1	157.4	156.3	149.8
1962	155.5	156.4	160.6	163.7	166.8	169.9	170.4	174.7	182.8	187.1	186.7	184.6	171.6
1963	181.3	180.0	180.8	183.4	187.1	189.5	189.8	188.5	190.5	193.9	194.0	192.5	187.6
1964	192.9	195.4	198.4	202.6	207.0	213.3	216.5	218.7	221.9	227.4	231.2	231.8	213.1
1965	229.9	229.5	233.7	238.0	240.7	246.7	251.8	255.0	259.2	262.6	265.0	265.2	248.1
Iron castings (0.387)													
1946	90.0	90.1	78.5	84.5	78.7	75.2	59.1	66.0	68.5	82.0	88.6	81.5	78.6
1947	85.5	96.7	90.5	95.2	91.9	83.1	68.7	68.2	90.2	94.8	100.6	86.5	87.6
1948	97.3	98.3	102.7	106.8	95.1	98.1	72.9	84.7	106.9	104.8	109.6	99.6	98.1
1949	114.3	113.8	113.4	104.1	96.2	99.4	72.6	80.4	99.9	97.5	108.0	100.5	100.0
1950	99.9	111.8	103.8	97.3	94.7	107.0	102.1	97.5	127.6	134.0	135.4	134.2	112.1
1951	129.4	139.9	137.2	142.7	124.3	128.2	92.0	104.4	127.4	118.9	123.4	99.7	122.3
1952	106.5	127.5	147.9	126.5	134.7	126.6	101.9	85.2	114.6	118.5	124.7	105.1	118.3
1953	104.9	130.2	120.2	113.9	112.0	107.8	88.1	82.0	102.1	108.8	111.4	87.1	105.7
1954	96.8	102.5	91.7	84.1	83.3	97.6	82.0	100.3	99.0	105.8	101.2	84.9	94.1
1955	90.5	106.9	107.7	110.0	123.4	126.6	113.3	116.2	140.2	163.2	166.9	146.0	125.9
1956	141.2	161.6	146.9	152.7	147.3	149.3	137.6	139.8	163.8	157.3	187.8	153.2	153.2
1957	150.4	187.6	203.9	160.6	210.2	205.4	158.4	138.3	134.4	145.9	133.7	93.7	160.2
1958	157.6	163.8	162.1	149.9	174.1	169.0	128.7	123.6	126.1	132.2	135.4	113.8	144.7
1959	131.4	144.7	153.5	159.7	161.5	164.3	149.9	145.8	162.9	193.3	172.4	153.0	157.7
1960	179.3	149.3	157.2	141.9	143.3	137.7	98.4	104.9	144.7	152.5	197.1	189.0	149.6
1961	177.3	176.2	185.1	152.0	132.9	170.3	122.1	173.1	178.0	154.4	130.2	116.8	155.7
1962	95.7	134.5	151.9	150.5	159.2	176.5	137.3	144.7	173.7	145.7	146.6	106.8	143.6
1963	135.0	171.9	188.9	178.5	178.6	197.1	130.9	153.0	161.5	163.0	164.8	141.3	163.7
1964	180.1	193.5	190.4	218.7	239.6	235.2	185.6	191.3	203.5	182.7	195.6	175.5	199.3
1965	188.3	205.1	234.2	225.2	229.7	274.8	208.3	177.8	230.5	207.0	219.8	226.1	218.9
Primary iron and steel (0.845)													
1946	77.7	78.5	80.9	80.5	82.3	80.4	56.0	50.0	49.9	72.8	75.0	76.7	71.7
1947	84.3	89.5	90.2	94.9	99.2	97.2	86.3	97.4	98.7	101.8	99.4	88.1	93.9
1948	104.9	101.7	100.9	106.4	104.4	101.0	84.7	82.4	99.4	101.2	100.2	102.1	99.1
1949	105.2	108.3	120.9	114.3	100.4	104.9	78.9	85.3	93.0	90.2	102.6	96.1	100.0
1950	93.6	96.0	102.6	97.6	109.4	111.8	98.1	105.2	117.3	117.4	123.6	109.0	106.8
1951	121.7	125.4	130.5	129.0	136.9	129.2	112.6	121.1	126.2	135.2	139.0	115.8	126.9
1952	137.1	136.2	130.1	130.0	130.6	130.0	116.8	112.3	123.8	128.0	130.8	123.1	127.4
1953	124.9	123.1	141.8	143.0	130.5	129.6	113.8	116.8	126.7	132.2	131.3	110.3	127.0
1954	110.1	114.0	105.3	109.6	106.8	117.6	100.8	107.1	109.0	108.2	120.2	101.8	109.2
1955	107.1	135.7	134.5	150.2	163.5	167.7	140.7	176.8	171.2	179.3	187.2	165.8	155.8
1956	167.6	188.5	193.0	189.9	198.1	202.9	185.7	193.1	195.3	194.8	205.2	169.5	190.3
1957	183.1	181.3	179.0	176.9	173.0	173.0	164.4	153.4	155.8	164.0	162.6	132.6	166.6
1958	142.7	146.2	150.1	155.9	149.5	164.2	144.2	112.3	109.0	108.5	141.5	140.3	138.7
1959	163.7	166.7	170.3	189.6	182.0	192.7	181.1	180.1	202.8	220.1	218.8	205.1	189.4
1960	205.1	209.0	212.4	192.4	188.1	184.4	160.2	164.4	184.3	190.7	182.8	147.5	185.1
1961	162.0	175.5	187.3	195.1	218.2	224.0	203.7	215.7	221.3	218.6	208.3	179.9	200.8
1962	195.1	213.5	207.0	218.4	238.8	250.1	226.5	241.2	233.8	225.2	241.3	206.8	224.8
1963	222.3	241.5	243.3	250.9	265.2	271.6	245.3	248.9	266.5	266.1	287.9	249.5	256.4
1964	261.1	271.6	279.9	305.2	306.8	304.0	276.0	286.5	294.6	306.8	312.6	289.5	291.0
1965	277.7	291.2	310.6	322.0	342.7	346.3	306.5	330.0	339.6	334.3	336.0	303.3	320.0

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Sheet metal products (1949 percentage weight 0.359)													
1946	86.2	87.3	88.3	89.1	90.4	92.9	93.7	92.2	90.5	89.6	90.3	90.2	90.0
1947	90.0	90.9	92.5	95.0	96.2	97.5	98.5	98.1	98.1	97.3	95.2	95.0	95.0
1948	93.9	95.2	96.8	99.3	98.9	101.2	106.5	112.0	112.9	109.5	105.7	102.9	102.0
1949	98.0	98.3	98.1	97.6	95.0	97.6	100.5	102.2	104.3	103.6	103.7	101.0	100.0
1950	96.3	92.4	93.2	96.0	96.5	100.9	104.4	107.8	111.6	110.8	111.1	111.4	102.0
1951	109.8	107.5	108.0	109.6	109.2	110.2	110.9	110.8	110.8	107.5	103.6	100.7	108.0
1952	98.2	99.0	100.3	101.2	104.1	107.5	109.1	110.5	113.9	114.5	113.1	111.5	106.0
1953	108.1	106.5	106.5	107.1	109.5	113.9	117.0	120.2	124.1	122.1	119.9	114.3	114.0
1954	109.6	113.4	116.1	117.3	118.1	124.7	129.6	129.8	131.0	129.1	126.2	121.6	122.0
1955	117.6	118.0	119.9	125.6	133.0	141.7	148.1	153.6	157.9	155.4	150.7	146.5	139.0
1956	140.9	139.0	144.6	149.2	152.7	159.1	162.6	162.8	165.5	165.7	160.1	154.2	154.0
1957	149.1	145.2	144.0	147.3	147.3	154.3	159.2	161.1	159.6	156.2	151.1	145.0	151.0
1958	143.2	144.7	147.9	153.8	162.5	170.2	176.6	179.7	179.3	173.9	162.4	152.3	162.0
1959	150.0	152.9	156.8	164.3	170.4	179.5	187.0	190.9	194.1	190.0	181.4	170.7	174.0
1960	163.7	161.0	163.8	169.7	178.8	188.7	192.0	193.8	197.1	192.1	183.8	173.1	179.0
1961	165.0	164.4	166.9	174.2	181.8	192.8	199.6	200.5	202.2	197.2	189.4	182.4	184.0
1962	180.7	183.7	189.6	197.4	209.3	228.5	240.6	247.9	249.6	237.9	224.6	210.7	216.0
1963	206.9	211.4	215.8	221.4	230.6	243.3	248.2	250.1	247.3	237.3	230.4	221.0	230.0
1964	218.9	225.4	230.6	233.7	241.3	260.3	260.5	263.5	267.8	264.6	258.9	251.7	248.0
1965	247.3	243.9	249.6	262.1	274.0	290.4	294.7	294.3	296.1	289.0	279.3	269.7	274.0
Total transportation equipment (2.651)													
1946	70.9	71.1	77.6	86.4	90.8	86.1	84.1	75.5	75.3	78.2	87.7	83.9	80.0
1947	86.9	92.0	95.3	94.2	95.8	96.6	94.3	88.4	102.1	101.8	103.8	92.2	95.0
1948	87.4	87.2	102.2	103.2	99.2	100.0	85.9	89.2	102.4	102.2	104.4	103.2	97.0
1949	84.9	93.0	103.0	107.6	105.9	109.6	103.1	90.6	107.6	105.5	91.0	98.2	100.0
1950	100.5	106.1	100.3	99.6	105.0	118.4	119.1	91.0	118.0	114.5	109.1	113.4	107.0
1951	125.1	139.4	146.6	141.1	139.6	136.0	123.7	110.3	130.8	127.8	126.9	117.4	130.0
1952	133.9	139.0	143.5	160.6	160.1	164.2	141.1	133.3	158.3	157.8	152.7	148.1	149.0
1953	162.2	181.5	191.0	193.2	192.1	186.5	177.6	136.5	157.1	158.9	133.0	154.0	168.0
1954	167.0	179.7	170.2	173.6	158.2	138.3	129.5	105.0	95.8	103.6	112.5	124.6	138.0
1955	133.9	145.7	167.5	183.2	185.8	180.3	168.5	120.4	112.5	119.6	127.4	127.3	147.0
1956	130.9	134.3	171.1	203.1	190.2	188.4	174.7	116.2	110.9	142.6	173.1	174.8	159.0
1957	174.8	169.4	180.4	184.4	183.2	175.0	155.6	123.7	106.9	120.5	160.7	135.3	155.0
1958	142.5	145.4	149.8	155.2	162.7	156.4	129.5	95.1	99.9	114.2	145.9	147.4	137.0
1959	145.5	155.1	152.9	161.9	160.1	164.3	139.7	86.4	101.6	128.7	108.0	123.6	135.0
1960	156.4	150.9	159.4	161.2	163.1	154.7	118.9	77.3	103.5	124.7	137.1	135.7	136.0
1961	134.6	142.2	140.5	147.9	148.0	154.7	120.1	89.2	119.8	143.7	161.8	154.9	138.0
1962	153.0	165.2	170.3	179.1	190.3	190.8	149.7	93.7	147.0	174.0	188.5	181.4	165.3
1963	191.7	192.2	188.6	205.8	211.4	216.5	150.4	97.4	166.8	195.6	238.1	228.3	190.2
1964	231.0	236.5	233.4	245.9	246.9	251.5	153.5	129.7	202.4	183.7	225.7	185.4	210.5
1965	241.0	245.9	277.2	271.8	280.0	284.4	230.4	125.5	197.1	259.3	298.2	289.3	250.0
Aircraft and parts (0.203)													
1946	74.0	78.2	88.9	100.0	108.6	114.9	118.9	119.6	118.5	115.4	112.6	110.9	105.0
1947	108.3	100.8	95.8	95.8	93.5	89.9	82.2	81.8	86.7	76.8	70.4	71.2	87.8
1948	71.9	74.8	75.8	72.7	64.4	61.1	64.3	71.9	82.5	87.0	91.8	97.9	76.3
1949	105.2	106.2	103.6	103.1	102.6	101.8	98.6	92.0	91.6	96.2	99.0	100.1	100.0
1950	104.5	98.8	97.0	90.6	80.5	76.5	75.6	79.7	96.6	111.8	120.0	126.4	96.5
1951	139.1	148.1	151.1	158.7	161.2	165.3	177.1	195.0	214.5	222.8	228.1	235.1	183.0
1952	241.1	247.2	259.4	272.5	279.9	281.1	292.3	312.0	335.3	360.3	383.6	401.3	305.5
1953	425.6	445.4	456.7	447.8	440.2	424.4	404.1	402.2	410.6	424.7	433.0	432.1	428.9
1954	427.8	423.6	415.7	400.2	387.6	377.0	365.3	360.3	358.1	354.3	356.0	355.8	381.8
1955	344.8	339.2	339.6	335.4	336.3	333.4	300.9	299.1	310.7	320.7	323.1	338.4	326.8
1956	353.3	354.8	357.0	355.7	352.7	351.7	339.4	333.7	346.4	361.3	370.0	374.2	354.2
1957	386.9	396.8	399.9	390.3	400.6	406.6	405.2	401.1	406.8	405.3	402.7	402.6	400.4
1958	394.2	383.4	382.1	392.2	390.5	383.2	385.1	384.0	381.9	376.0	369.9	368.8	382.6
1959	372.3	302.1	273.2	282.0	283.5	286.6	285.5	282.7	280.8	282.8	284.2	280.1	291.3
1960	280.5	275.1	273.9	278.3	279.1	277.1	267.9	267.2	280.4	291.2	300.9	310.0	281.8
1961	317.1	323.1	324.2	320.1	318.5	319.2	313.7	309.6	315.2	326.5	336.8	344.9	322.4
1962	346.1	342.3	337.7	325.1	317.7	318.2	310.7	306.0	307.2	298.6	286.4	279.3	314.6
1963	280.1	284.0	280.6	275.9	278.3	278.1	269.8	273.1	287.1	300.4	310.9	318.6	286.4
1964	325.4	327.2	326.1	328.1	334.1	342.7	341.5	340.6	341.5	340.6	343.7	344.1	336.3
1965	340.8	333.0	334.4	299.4	289.0	320.5	322.9	310.6	258.1	321.0	341.0	361.0	319.3

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Motor vehicles (1949 percentage weight 1.035)													
1946	34.4	34.7	50.0	69.8	81.0	70.3	66.8	47.2	50.1	59.2	82.0	71.6	59.8
1947	79.2	90.1	94.9	88.6	89.7	91.2	87.7	70.2	101.3	101.1	107.5	81.5	90.3
1948	70.8	70.0	103.1	99.9	91.7	95.1	61.3	70.6	102.0	102.0	106.8	103.7	89.7
1949	59.7	79.2	101.4	113.3	112.7	124.1	108.5	78.6	121.7	116.4	81.7	102.8	100.0
1950	112.6	128.9	111.5	111.1	128.2	163.0	161.7	92.4	156.1	136.4	120.1	127.2	129.1
1951	149.2	180.2	194.3	174.2	166.8	157.0	126.3	89.0	138.1	127.6	121.5	97.7	143.5
1952	137.9	144.3	146.4	181.4	176.1	184.4	126.9	110.7	172.4	165.3	141.3	120.1	150.6
1953	151.7	194.1	210.6	214.3	213.6	204.3	190.0	93.6	149.0	152.2	85.5	140.4	166.6
1954	177.2	209.6	185.2	199.2	169.7	129.1	116.5	64.0	42.5	58.1	78.2	110.4	128.3
1955	134.5	159.7	210.5	249.1	255.0	242.5	221.7	104.1	86.4	110.5	127.7	122.8	168.7
1956	130.0	134.0	211.7	284.1	250.7	249.4	221.2	79.9	62.6	132.8	206.4	210.5	181.1
1957	206.8	192.5	221.6	231.2	225.7	206.6	163.0	91.1	51.3	84.2	185.0	119.9	164.9
1958	145.3	157.4	166.4	174.5	190.5	175.5	119.2	46.7	57.0	91.2	171.2	172.0	138.9
1959	164.1	197.7	193.0	208.5	200.5	210.7	158.0	31.9	65.5	129.5	87.2	127.0	147.8
1960	203.5	186.1	206.4	207.8	213.1	196.6	119.0	22.6	83.3	132.2	163.6	159.6	157.8
1961	155.8	171.8	165.5	185.4	185.9	196.6	110.6	31.5	107.2	165.5	208.7	190.0	156.2
1962	183.7	211.6	219.0	237.9	263.6	265.1	174.6	25.8	158.1	223.6	259.8	242.2	205.4
1963	268.1	267.2	256.9	296.8	306.1	322.1	168.9	36.3	198.1	260.3	359.8	327.9	255.7
1964	330.9	345.3	339.0	366.2	361.8	371.9	128.8	67.5	245.8	202.1	307.0	223.9	274.2
1965	334.4	346.0	417.2	406.2	427.9	433.3	305.9	44.9	226.7	363.3	448.2	417.0	347.6
Motor vehicle parts (0.462)													
1946	65.4	67.9	67.6	70.6	74.2	76.0	75.8	74.3	73.2	73.1	74.8	76.3	72.4
1947	81.8	86.1	89.6	91.8	94.3	94.8	92.7	90.1	91.9	94.7	95.9	94.0	91.5
1948	98.7	96.9	96.4	96.7	95.1	93.5	85.4	75.0	78.0	80.0	87.9	96.3	90.0
1949	95.8	95.5	97.6	98.6	96.3	95.8	98.1	100.9	105.8	108.5	104.1	103.0	100.0
1950	109.8	116.1	117.0	118.3	125.7	133.8	138.6	138.1	141.4	146.0	143.6	142.4	130.9
1951	146.0	146.4	145.9	146.8	144.4	139.5	134.1	128.1	123.5	123.5	123.5	119.6	135.1
1952	121.5	126.3	130.5	136.5	139.6	141.5	139.5	133.3	137.3	142.6	140.8	142.6	136.0
1953	146.5	153.5	160.5	163.7	164.8	163.3	154.5	137.3	129.5	127.7	124.7	127.1	146.1
1954	129.0	131.2	131.7	127.8	119.6	109.9	101.2	92.3	91.7	103.5	113.8	118.7	114.2
1955	129.5	142.2	146.9	149.6	154.9	156.6	152.0	141.9	128.8	107.9	108.2	107.6	135.5
1956	106.2	115.2	149.4	166.3	165.7	158.1	147.8	136.1	137.9	150.3	155.7	154.8	145.3
1957	156.6	152.0	146.6	149.3	151.5	147.7	138.6	125.1	119.2	125.5	132.7	134.0	139.9
1958	126.8	122.5	124.4	128.6	136.4	139.2	117.3	104.3	121.3	128.2	133.2	143.1	127.1
1959	146.9	150.5	154.3	159.6	163.3	165.3	145.1	127.8	143.1	154.4	133.1	142.1	148.8
1960	158.3	163.9	160.6	159.7	159.8	153.2	129.2	115.5	130.1	139.6	138.8	139.6	145.7
1961	140.8	142.6	144.4	146.7	150.5	151.6	147.2	148.0	150.0	152.8	157.0	157.6	149.1
1962	160.5	164.2	170.9	180.8	186.0	181.4	153.8	170.4	177.6	190.3	200.5	204.3	178.4
1963	204.9	206.4	208.6	215.6	223.3	218.7	190.5	187.6	215.4	229.2	244.7	259.3	217.0
1964	265.6	264.4	262.9	270.1	276.7	271.3	256.7	261.6	277.0	261.7	261.4	217.1	262.2
1965	291.5	298.6	312.3	314.3	320.6	320.8	299.8	289.9	312.1	332.2	352.0	362.5	317.2
Railway rolling stock (0.621)													
1946	89.3	89.2	88.9	87.7	86.0	84.4	82.5	80.4	77.9	76.2	78.0	80.4	83.4
1947	77.8	76.0	76.9	77.3	78.5	79.7	76.7	76.4	80.1	84.0	85.4	85.4	79.5
1948	87.0	90.1	94.3	99.6	99.9	103.1	106.9	110.8	108.4	107.6	107.6	107.0	101.9
1949	103.0	103.1	105.1	103.0	101.0	101.2	100.3	99.2	98.2	95.6	95.7	94.6	100.0
1950	84.3	78.8	79.5	75.3	69.9	67.8	68.1	60.8	63.6	75.3	79.6	84.9	74.0
1951	89.4	92.9	97.1	101.1	107.3	109.9	106.1	106.3	105.5	104.6	105.7	105.2	102.6
1952	103.6	103.9	105.9	107.1	108.0	109.6	105.7	103.9	103.7	102.8	105.3	105.6	105.6
1953	103.3	100.8	102.6	105.4	104.4	103.8	103.8	102.4	101.1	99.4	98.5	97.2	101.9
1954	96.5	96.4	96.2	95.9	94.0	92.2	90.3	84.4	80.5	79.5	77.7	76.2	88.3
1955	75.1	75.2	76.8	77.4	76.1	74.9	74.9	74.4	75.8	76.8	78.6	82.2	76.5
1956	82.7	82.2	83.1	86.2	86.5	87.1	87.7	85.7	87.5	88.6	87.5	88.5	86.1
1957	89.4	88.4	87.7	88.0	87.8	87.0	86.2	82.4	80.3	81.0	80.4	79.1	84.8
1958	77.4	76.2	75.7	75.1	74.1	74.0	72.5	66.8	62.6	63.0	61.4	59.0	69.8
1959	59.5	61.0	61.7	63.0	64.6	65.1	65.1	63.4	62.6	63.9	63.0	59.5	62.7
1960	57.4	55.8	56.1	57.9	58.9	59.8	59.5	56.7	54.9	54.4	53.2	51.0	56.3
1961	49.9	49.4	48.8	48.7	48.6	49.3	52.2	53.7	52.9	52.1	51.6	51.1	50.7
1962	50.7	50.8	51.6	52.4	53.2	53.9	54.3	53.5	54.1	53.5	52.2	52.2	52.7
1963	51.0	50.2	49.5	49.1	49.4	50.5	51.4	52.0	53.6	55.4	55.7	54.9	51.9
1964	54.9	56.0	56.8	56.6	57.7	59.4	60.4	60.0	59.6	61.2	62.2	61.9	58.9
1965	61.6	60.7	61.7	62.9	61.7	62.4	63.6	63.2	62.9	63.2	63.6	63.5	62.6

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Shipbuilding and repairs (1949 percentage weight 0.261)													
1946	185.3	178.0	176.2	175.3	166.5	156.4	151.2	149.1	145.5	144.8	146.4	141.5	159.7
1947	139.6	149.2	159.8	168.5	174.6	175.6	182.0	197.2	198.3	192.8	187.8	173.8	174.9
1948	155.4	150.0	160.4	171.4	172.6	165.1	158.2	157.1	158.1	149.7	135.2	117.6	154.2
1949	105.4	109.0	113.9	115.2	108.9	103.4	99.9	95.5	92.1	90.4	86.0	80.3	100.0
1950	76.5	76.2	83.1	88.5	83.2	77.4	81.8	86.3	82.1	76.5	74.3	74.1	80.0
1951	77.6	84.0	89.7	95.5	98.7	100.8	107.2	116.3	124.5	131.4	138.4	141.7	108.8
1952	148.6	161.6	176.1	184.5	184.6	184.6	180.7	168.1	151.3	146.7	168.0	182.8	169.8
1953	184.0	190.8	196.1	196.6	194.0	188.8	185.8	186.0	185.1	185.6	187.4	183.0	188.6
1954	171.5	172.1	178.3	175.8	164.9	154.9	147.6	142.5	145.6	146.8	141.3	132.0	156.1
1955	124.5	125.9	132.1	134.1	130.6	126.3	123.5	121.6	120.9	123.5	127.4	126.2	126.4
1956	126.3	131.1	131.7	132.8	135.3	135.6	134.3	131.0	129.8	134.4	137.6	135.1	132.9
1957	135.9	140.7	146.2	149.7	148.1	145.4	144.0	142.5	140.9	135.6	134.2	134.9	141.5
1958	131.8	132.0	139.0	146.4	148.2	145.8	138.3	114.6	104.4	104.5	108.9	110.3	127.0
1959	110.9	117.8	126.6	134.9	135.7	130.0	126.9	125.9	125.2	122.2	117.9	114.1	124.0
1960	117.4	126.2	136.2	141.5	137.5	132.0	128.7	122.7	118.0	115.1	112.1	109.1	124.7
1961	107.0	113.8	117.4	111.6	104.8	129.3	128.1	126.9	130.7	130.8	129.5	126.9	121.4
1962	127.2	136.4	146.4	150.6	154.6	159.8	156.3	154.2	156.2	156.2	152.6	147.4	149.8
1963	150.4	155.5	160.0	167.4	169.6	164.5	157.0	147.8	148.0	152.1	149.4	144.3	155.5
1964	143.5	141.0	138.2	142.8	150.5	157.7	153.8	147.0	148.0	152.1	155.4	154.4	148.7
1965	152.5	153.9	163.6	170.7	168.2	164.9	155.6	154.5	160.9	163.5	167.8	166.9	161.9
Total non-ferrous metal products (1.601)													
1946	73.5	73.8	81.8	87.1	83.4	83.2	81.7	81.8	83.0	83.1	85.2	83.1	81.8
1947	84.0	83.4	86.7	90.9	92.2	93.2	89.5	85.3	88.5	93.5	93.8	94.9	89.6
1948	93.0	91.7	96.6	103.8	100.3	98.6	99.3	97.9	101.8	103.9	104.7	98.3	99.2
1949	94.2	98.1	103.2	102.1	103.3	102.5	94.2	100.6	99.2	99.3	102.0	101.6	100.0
1950	98.9	99.2	101.0	103.3	104.6	105.1	93.6	100.9	107.2	110.3	114.3	112.3	104.2
1951	113.7	113.2	114.8	115.6	119.4	119.5	111.3	118.5	112.6	112.0	111.4	110.4	114.4
1952	108.8	110.2	113.2	114.1	113.1	115.7	103.7	102.8	109.1	113.0	112.7	117.8	111.2
1953	119.9	121.4	122.8	122.6	120.6	120.2	116.9	118.4	119.4	119.2	120.4	118.1	120.0
1954	109.6	112.4	115.5	117.0	117.1	117.8	112.4	116.4	121.2	124.3	126.7	128.0	118.2
1955	123.3	124.5	129.4	130.7	130.1	127.9	120.8	129.3	131.4	131.6	132.9	129.8	128.5
1956	124.5	125.3	126.1	128.6	133.0	137.3	139.4	139.9	141.8	144.4	142.9	143.3	135.5
1957	140.6	139.9	137.5	136.3	134.1	122.9	124.3	127.0	125.0	137.4	140.1	135.8	133.4
1958	139.7	139.0	135.6	136.6	138.2	137.6	130.1	127.1	130.5	114.9	114.5	115.7	130.0
1959	126.8	130.8	139.6	143.3	142.7	145.3	140.3	139.0	148.5	150.2	149.3	148.8	142.0
1960	146.8	155.0	157.3	155.7	153.5	158.0	154.1	158.0	159.2	159.3	159.7	157.1	156.2
1961	153.5	155.2	154.5	154.9	157.9	155.5	145.8	149.3	156.1	162.3	167.8	162.5	156.3
1962	160.3	160.1	159.5	157.4	162.7	158.5	157.3	158.9	157.8	156.5	159.4	157.2	158.8
1963	157.5	157.3	156.0	160.3	160.5	158.0	151.0	161.4	163.7	165.5	164.4	162.0	159.8
1964	164.9	169.8	170.1	175.4	174.3	176.7	168.3	169.4	173.0	181.4	181.7	185.2	174.2
1965	177.7	181.8	187.9	188.3	183.7	185.1	179.7	182.1	188.9	192.6	198.4	196.3	186.9
Brass and copper products (0.241)													
1946	99.9	102.1	102.5	102.2	99.6	92.9	88.6	88.5	88.6	90.3	97.0	102.1	96.2
1947	100.3	98.9	100.3	100.3	99.0	96.8	93.8	93.0	94.7	94.5	97.0	99.5	97.3
1948	99.5	101.9	100.5	101.3	102.9	102.0	99.6	99.9	101.4	102.5	102.7	101.1	101.3
1949	106.9	108.0	107.2	105.0	100.2	95.4	93.9	93.5	94.7	97.4	98.9	99.2	100.0
1950	100.0	100.6	100.3	100.7	98.6	96.6	96.0	97.7	104.0	109.2	111.3	111.6	102.2
1951	117.0	120.0	120.5	123.1	123.6	121.2	119.7	119.1	119.3	119.5	118.6	116.1	119.8
1952	113.2	112.1	113.1	113.2	111.4	111.3	110.6	110.7	114.8	117.7	119.2	119.6	113.9
1953	113.4	108.0	109.4	110.4	109.8	108.1	106.4	107.5	111.6	113.9	114.0	113.7	110.5
1954	110.2	105.6	104.5	103.9	102.5	100.7	100.5	100.9	101.4	102.3	103.1	103.9	103.3
1955	103.3	104.1	105.3	105.6	106.9	109.2	109.5	110.2	113.8	118.0	121.2	122.5	110.8
1956	122.3	122.3	123.7	124.6	123.7	121.3	116.9	115.5	118.8	119.4	118.5	119.1	120.5
1957	117.1	115.2	113.8	112.2	113.0	114.0	114.5	115.9	117.2	116.0	113.6	111.4	114.5
1958	106.6	104.3	105.1	107.1	111.0	115.5	117.0	117.5	120.3	122.4	123.2	122.9	114.4
1959	122.7	123.5	124.4	124.7	125.4	125.3	124.3	125.5	128.7	127.0	122.2	119.1	124.4
1960	118.2	119.9	120.9	120.7	119.4	118.7	119.9	121.0	119.2	117.8	117.8	115.7	119.1
1961	115.5	118.2	119.1	120.1	122.6	126.3	128.9	131.7	136.1	137.0	134.0	131.0	126.7
1962	129.2	129.0	131.5	132.7	132.9	133.5	133.7	135.2	134.5	131.9	129.4	128.1	131.8
1963	128.5	129.3	130.5	132.7	135.4	139.0	143.6	146.9	146.9	145.6	145.7	145.1	139.1
1964	146.6	150.2	152.1	152.9	156.7	159.5	157.1	155.2	156.3	158.0	159.9	162.8	155.6
1965	164.0	162.0	163.1	159.9	148.4	143.6	141.9	146.8	175.2	180.9	182.6	184.0	162.7

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Non-ferrous metal smelting and refining (1949 percentage weight 1.028)													
46	64.9	64.6	76.1	83.8	78.4	79.4	78.1	77.9	79.2	78.7	79.6	75.5	76.4
47	77.6	77.9	82.6	89.1	91.8	94.3	89.2	82.5	86.7	93.8	93.0	94.2	87.7
48	91.2	88.3	95.7	106.3	100.9	98.4	98.7	95.5	101.6	104.1	105.5	98.0	98.7
49	88.5	93.9	100.0	101.0	105.1	106.5	93.6	104.2	101.7	100.1	103.2	102.4	100.0
50	98.2	98.9	101.2	104.9	108.4	109.7	93.0	102.9	109.8	111.5	115.4	112.3	105.5
51	113.0	111.6	113.2	113.3	119.3	120.7	108.9	120.2	113.0	111.6	111.5	111.7	114.0
52	111.2	114.3	118.9	120.9	119.5	123.6	105.0	102.8	110.1	114.2	112.6	120.8	114.5
53	125.6	128.6	130.8	130.1	127.3	127.1	122.4	123.8	124.0	122.8	126.1	123.5	126.0
54	111.8	117.4	122.6	126.3	126.9	128.4	120.2	125.5	131.6	135.8	140.1	142.3	127.4
55	135.2	136.7	143.9	146.0	145.0	140.5	129.4	141.6	142.8	141.5	141.9	136.8	140.1
56	129.8	131.4	132.4	134.4	141.9	149.2	152.9	153.3	154.4	157.0	155.1	156.7	145.7
57	153.8	152.5	150.0	149.6	146.0	127.9	129.5	132.2	127.2	146.5	151.7	146.8	142.8
58	156.2	156.2	150.7	151.5	153.0	149.8	137.3	132.1	134.8	108.4	106.8	109.8	137.2
59	128.4	134.0	147.2	151.9	149.8	151.7	143.9	140.8	152.7	154.6	155.3	157.3	147.3
60	156.3	169.0	172.1	169.5	165.6	172.5	166.3	171.1	172.7	171.6	172.1	170.4	169.1
61	166.2	168.5	167.3	167.7	171.7	166.0	150.4	154.0	161.0	169.5	178.5	172.5	166.1
62	171.0	170.7	168.4	164.8	171.7	163.7	160.8	162.4	160.3	157.7	163.0	161.7	164.7
63	164.3	163.7	160.9	166.2	165.4	159.6	146.9	161.4	163.7	166.3	164.2	161.2	162.0
64	166.3	173.0	172.5	180.1	177.0	179.7	167.8	169.0	172.4	185.6	184.6	190.3	176.5
65	179.4	187.1	194.9	195.0	189.8	191.2	181.6	183.6	185.6	189.0	196.1	193.0	188.9
Total electrical apparatus and supplies (1.418)													
66	60.5	68.4	68.9	67.2	67.6	66.8	66.3	62.1	64.2	66.7	74.8	78.7	67.7
67	84.1	88.6	90.0	89.6	90.4	92.2	85.0	86.0	87.4	91.7	96.4	94.0	89.6
68	94.9	99.7	96.5	96.8	94.1	90.0	81.5	81.3	87.4	90.2	93.0	92.4	91.5
69	99.4	99.5	100.5	100.8	97.9	98.1	91.6	97.1	99.2	104.0	106.6	105.4	100.0
70	99.9	103.2	105.2	107.4	106.7	111.5	110.4	112.0	119.6	123.3	127.0	124.2	112.5
71	119.7	124.0	126.2	127.5	125.2	123.3	115.9	114.7	120.3	119.0	119.5	113.7	120.8
72	110.6	112.5	115.3	115.4	119.2	121.5	117.6	125.0	133.6	139.5	142.6	140.8	124.5
73	140.2	146.1	145.0	146.1	144.7	146.8	136.5	141.9	158.7	165.1	173.0	167.2	150.9
74	155.7	155.0	149.6	143.6	138.6	141.5	124.7	136.8	158.5	168.7	175.8	172.2	151.7
75	158.8	164.2	162.5	154.3	151.3	152.9	147.8	172.2	206.3	213.6	214.6	199.8	174.9
76	179.1	185.4	185.5	182.9	180.5	185.9	185.6	197.6	236.7	225.8	217.2	208.2	197.5
77	189.3	190.9	187.6	177.1	174.5	180.2	167.9	172.0	193.5	192.0	194.6	182.6	183.5
78	173.6	172.6	172.0	169.7	171.4	177.6	169.8	180.5	194.2	196.1	199.8	177.3	179.5
79	179.1	184.0	177.5	179.1	183.7	188.1	179.0	192.4	210.1	211.5	208.4	194.3	190.6
80	194.7	200.1	196.1	188.7	188.7	190.2	176.0	183.1	199.7	198.7	191.1	177.5	190.4
81	174.9	183.6	179.2	177.1	178.5	194.5	184.9	197.2	224.0	226.8	231.3	223.3	197.9
82	218.7	227.2	226.4	221.3	220.6	238.0	218.0	236.3	254.9	270.6	263.0	242.6	236.5
83	236.8	249.8	244.3	239.4	239.9	255.3	232.8	248.5	279.1	279.6	288.8	264.8	254.9
84	261.0	266.6	260.7	263.4	264.7	272.5	250.6	280.7	305.3	317.6	310.4	296.0	279.1
85	298.5	305.7	307.3	305.1	310.3	317.5	279.0	320.9	341.1	347.9	352.7	344.1	319.2
Heavy electrical machinery (0.489)													
86	75.2	77.1	78.9	78.9	78.0	77.5	65.8	53.1	51.5	60.0	72.5	75.7	70.3
87	77.3	79.1	83.9	84.6	85.1	86.1	85.1	86.7	87.8	91.0	95.3	95.6	86.5
88	95.0	95.3	96.3	97.8	99.4	100.9	102.1	100.6	97.6	98.8	102.4	104.8	99.2
89	103.5	101.3	102.0	101.3	100.2	96.9	97.3	98.8	98.8	99.7	99.8	100.2	100.0
90	99.1	98.6	100.1	100.9	101.2	102.9	104.0	106.1	108.1	111.5	115.5	117.9	105.5
91	121.4	123.2	125.4	128.6	130.4	133.2	134.6	133.9	134.4	134.7	133.4	131.6	130.4
92	130.4	131.0	131.3	128.8	127.4	128.5	128.8	129.7	133.4	133.5	131.3	132.1	130.5
93	132.5	131.7	131.1	130.3	128.9	130.0	131.0	129.9	131.7	135.7	137.6	137.3	132.3
94	131.1	124.0	121.5	118.8	117.0	116.0	115.2	116.9	120.7	119.7	117.2	115.8	119.5
95	112.7	113.0	114.5	115.5	118.0	122.5	126.8	133.2	142.7	144.4	141.9	143.5	127.4
96	144.4	146.6	151.8	158.4	162.6	164.8	165.3	169.8	173.6	179.0	186.4	185.9	165.7
97	182.1	178.2	174.5	167.8	162.0	157.2	154.0	154.6	158.7	159.4	157.9	160.5	163.9
98	156.9	150.3	148.2	146.5	146.9	148.4	152.9	156.5	156.1	154.2	149.4	143.4	150.8
99	139.8	140.9	142.5	143.9	146.7	149.6	149.8	150.6	155.7	158.7	157.2	154.9	149.2
00	151.8	151.8	150.4	150.5	150.5	151.2	151.5	150.2	148.9	146.0	141.2	137.0	148.4
01	134.1	133.7	135.1	138.2	141.9	147.0	150.4	152.5	156.1	161.0	161.2	161.3	147.7
02	160.7	159.5	161.4	164.9	169.1	176.3	180.3	181.5	188.0	192.6	192.9	193.3	176.7
03	190.9	188.8	187.1	186.9	189.1	194.4	196.6	194.6	196.5	198.5	200.0	202.2	193.8
04	201.5	201.4	203.3	206.0	208.8	212.4	214.0	214.3	219.7	223.2	224.7	226.8	213.0
05	228.1	227.5	228.8	234.3	237.7	243.8	245.2	240.3	244.2	252.4	257.4	259.6	241.6

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Telecommunication equipment (1949 percentage weight 0.142)													
1946	36.8	64.1	68.2	61.7	66.7	54.2	93.4	76.7	85.2	85.5	117.0	150.7	80.1
1947	140.8	137.1	116.9	94.0	97.9	109.2	63.8	63.3	68.9	110.9	153.5	145.8	108.1
1948	91.5	131.6	96.2	91.8	86.1	65.9	40.2	65.4	93.2	89.9	109.8	97.8	88.1
1949	72.5	75.8	92.2	101.5	91.4	108.1	68.6	120.1	95.8	112.9	132.5	128.8	100.0
1950	84.6	107.7	110.1	115.5	101.8	122.6	98.2	99.9	141.8	162.4	190.9	182.5	126.1
1951	139.5	141.9	151.3	157.6	149.3	144.3	121.4	121.2	151.1	132.9	138.3	125.1	139.1
1952	124.9	125.6	146.7	159.0	175.6	184.9	168.3	216.3	251.4	295.3	318.7	330.5	208.1
1953	304.3	336.3	325.7	342.9	305.8	295.8	209.2	297.2	386.9	437.3	505.0	467.0	351.1
1954	368.8	382.1	322.4	282.0	257.0	280.8	164.7	301.0	461.6	566.3	652.1	626.7	388.1
1955	497.0	517.7	484.2	365.7	303.4	295.6	257.5	460.6	727.2	801.4	842.2	681.5	519.1
1956	447.3	476.8	384.2	326.0	288.3	340.5	367.5	505.4	806.8	681.7	588.1	516.2	477.1
1957	363.3	379.2	349.2	304.8	315.7	373.3	294.7	360.3	513.0	503.6	519.8	412.8	390.1
1958	357.5	372.1	360.9	353.6	359.3	422.3	366.8	490.9	539.6	559.0	574.1	383.5	428.1
1959	423.6	450.2	386.7	392.9	394.9	402.7	356.7	488.8	528.9	549.8	520.2	431.5	443.1
1960	430.8	464.1	428.5	374.5	398.4	408.1	309.3	411.3	526.7	525.9	494.8	401.0	431.1
1961	398.2	485.0	402.1	349.4	370.7	437.3	389.6	486.8	623.2	645.5	650.4	619.3	488.1
1962	571.9	634.7	616.2	546.7	522.7	594.0	468.1	608.6	665.7	834.3	756.9	603.4	618.1
1963	559.1	665.9	612.5	567.1	557.0	629.1	495.0	656.8	823.0	862.5	876.2	692.8	666.1
1964	691.8	721.8	653.3	637.6	646.3	637.1	497.4	751.3	859.0	1,008.4	993.6	836.5	744.1
1965	867.9	892.2	838.0	792.4	812.0	832.2	579.9	990.4	971.8	1,041.2	1,086.7	1,036.6	895.1
Refrigerators and appliances (0.227)													
1946	40.2	41.7	42.3	43.4	40.3	37.7	29.9	28.1	29.5	27.3	26.3	24.0	34.1
1947	53.8	60.3	65.1	71.0	69.5	68.9	59.4	60.1	58.7	52.3	47.8	41.3	59.0
1948	71.4	76.6	80.0	84.6	80.6	77.6	64.3	62.9	53.7	57.6	53.9	47.9	68.4
1949	87.2	91.7	91.7	93.9	94.4	96.1	97.2	100.4	109.3	112.9	112.8	112.4	100.0
1950	115.4	122.0	128.8	136.1	141.1	149.3	153.5	151.8	155.3	156.5	154.2	150.8	142.9
1951	150.4	151.7	150.0	150.2	136.2	125.2	98.6	93.2	98.7	92.6	90.2	83.7	118.4
1952	76.9	80.2	84.3	85.9	105.2	112.7	103.5	111.5	126.0	124.2	124.0	111.2	103.8
1953	126.2	140.1	135.3	128.3	144.0	156.6	141.0	112.9	141.6	129.7	129.7	131.1	134.7
1954	132.7	131.9	146.2	146.9	144.1	154.4	127.4	107.1	125.2	123.9	119.3	117.6	131.4
1955	119.3	130.8	132.3	145.2	151.4	146.8	128.1	134.1	141.6	139.4	134.8	137.8	136.8
1956	147.0	154.6	192.1	195.2	193.4	191.2	177.4	145.9	178.7	169.8	159.0	164.7	172.4
1957	154.8	168.3	186.8	171.8	164.5	172.1	148.7	123.6	145.4	143.7	151.4	141.0	156.0
1958	139.3	150.8	165.2	166.3	178.8	187.5	166.2	129.6	174.7	176.9	193.1	176.8	167.1
1959	185.7	206.7	202.6	199.7	208.8	214.0	184.2	173.4	226.3	202.4	205.1	191.1	200.0
1960	209.0	235.3	237.1	227.8	211.3	205.6	182.5	158.0	181.8	186.9	179.7	169.5	198.7
1961	174.0	179.4	202.7	211.4	192.4	222.2	179.3	174.9	221.3	201.8	221.6	198.6	198.3
1962	208.3	225.5	228.3	231.3	227.2	257.7	197.4	213.1	259.3	242.9	253.4	237.3	231.8
1963	235.8	260.6	269.9	259.0	258.4	288.8	232.8	222.3	284.4	257.8	300.8	265.2	261.3
1964	248.2	270.1	268.8	286.4	283.6	302.7	247.8	260.7	316.1	298.0	254.9	261.6	274.9
1965	259.2	290.6	316.6	309.9	323.6	331.5	262.2	257.9	342.3	323.4	313.7	292.1	301.9
Total non-metallic mineral products (0.794)													
1946	62.9	63.9	66.4	70.1	74.9	79.8	74.0	68.8	70.0	74.5	80.7	77.8	72.0
1947	76.5	76.7	79.0	81.6	85.5	91.8	92.4	90.4	90.0	93.0	92.5	85.9	86.3
1948	81.2	84.6	84.7	88.6	92.8	96.7	95.4	97.4	98.1	100.2	98.6	88.8	92.2
1949	91.3	90.0	90.5	94.1	102.7	107.3	104.6	106.0	107.2	107.1	105.0	94.3	100.0
1950	91.8	92.7	95.5	101.7	110.9	120.5	120.1	118.6	121.5	124.9	121.6	111.7	111.0
1951	110.9	113.9	116.8	126.1	128.1	131.5	126.2	128.0	126.3	126.0	123.1	108.5	122.1
1952	106.9	111.7	113.4	119.8	128.1	137.9	134.0	136.3	140.2	138.7	140.1	129.0	128.0
1953	123.7	127.3	132.3	136.0	141.7	147.0	149.1	147.3	150.5	149.8	150.5	133.9	140.8
1954	121.2	128.8	133.1	140.2	147.7	160.5	159.9	161.9	159.3	155.5	157.0	137.2	146.8
1955	133.2	134.5	139.2	146.5	170.5	183.3	184.7	193.2	193.1	192.4	187.0	155.8	167.8
1956	155.7	162.7	162.7	180.5	197.2	212.4	210.6	213.3	205.0	223.7	197.7	160.5	190.2
1957	149.4	155.5	162.0	172.5	201.9	216.5	226.1	229.9	226.4	220.9	206.4	160.7	194.0
1958	152.5	151.7	156.9	177.3	222.2	230.9	228.8	230.7	230.9	238.0	220.6	176.6	201.4
1959	161.3	173.4	183.7	199.1	227.6	245.8	252.1	248.9	259.0	251.2	225.4	179.2	217.2
1960	168.3	172.4	173.9	175.4	213.4	235.1	230.7	235.7	232.4	235.9	223.5	173.1	205.8
1961	156.8	160.2	167.3	185.4	226.8	249.6	241.7	249.2	249.2	253.7	233.5	185.4	213.2
1962	165.0	174.8	181.6	201.7	244.9	275.5	274.8	272.7	263.5	282.8	251.6	201.0	232.5
1963	177.1	173.5	182.8	201.6	254.7	269.0	264.4	270.6	288.9	274.0	257.1	206.2	235.0
1964	192.9	213.1	213.4	235.3	266.6	296.5	295.5	311.2	310.1	316.6	306.9	260.2	268.2
1965	217.3	228.4	232.9	242.7	287.9	321.4	321.2	329.1	337.1	329.5	322.1	272.7	286.9

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Concrete products (1949 percentage weight 0.098)													
1946	34.3	37.2	40.5	44.5	56.3	60.6	64.2	59.2	63.4	58.8	56.0	41.8	51.4
1947	44.3	45.8	45.0	41.9	53.0	68.4	96.2	71.5	70.5	74.1	69.0	64.2	62.0
1948	52.4	58.2	62.4	74.6	87.6	96.5	92.8	97.0	94.7	88.7	86.7	64.8	79.7
1949	67.6	75.7	79.9	91.6	116.1	128.5	118.9	113.0	114.9	111.7	108.8	73.5	100.0
1950	71.2	68.6	74.8	107.5	135.6	155.3	152.3	138.8	137.8	142.1	126.6	93.5	117.0
1951	101.8	97.6	115.7	141.7	150.9	174.6	145.1	156.6	147.8	150.1	129.0	88.7	133.3
1952	85.6	113.9	140.4	160.2	193.3	232.9	217.3	223.7	229.4	212.2	206.0	148.8	180.3
1953	129.6	121.4	141.8	166.2	179.6	205.1	222.4	213.9	224.1	228.6	229.9	164.5	185.6
1954	110.9	131.6	155.5	183.3	235.0	297.4	298.9	312.5	300.8	283.3	273.8	198.6	231.8
1955	171.0	163.6	190.8	228.8	329.7	385.8	380.1	401.3	392.0	402.7	373.7	239.4	304.9
1956	229.8	244.0	249.6	316.8	422.1	500.6	500.1	520.5	453.7	590.2	417.7	232.6	389.8
1957	167.6	219.4	265.0	316.2	472.0	507.0	525.5	552.6	524.7	510.9	459.2	294.4	401.2
1958	258.7	224.5	278.3	375.3	610.8	622.3	626.5	607.6	592.9	606.1	514.3	316.7	469.5
1959	251.7	302.4	395.7	433.5	559.6	640.5	674.5	643.7	699.4	674.5	525.2	342.2	511.9
1960	287.2	297.7	349.1	348.6	535.3	627.9	628.8	632.8	632.9	622.5	574.4	348.8	490.5
1961	277.2	364.6	397.4	451.6	638.9	712.0	661.7	710.9	704.6	699.2	593.1	390.1	550.1
1962	258.9	315.3	409.2	502.0	711.9	804.1	814.4	861.5	760.1	936.2	731.4	427.6	627.7
1963	336.4	335.9	413.2	499.3	753.5	751.7	728.6	755.1	914.4	781.9	718.3	512.9	625.1
1964	452.7	537.0	542.1	660.1	823.3	952.9	959.0	1,060.8	1,013.0	1,025.0	987.2	756.1	814.1
1965	515.1	544.1	612.0	692.7	895.0	1,027.9	1,022.3	1,071.9	1,088.7	1,047.7	1,008.5	770.1	858.0
Hydraulic cement (0.117)													
1946	54.7	51.4	56.6	62.0	61.0	70.8	68.7	72.9	76.7	79.4	75.6	68.5	66.5
1947	62.5	57.7	64.8	70.7	69.8	80.9	78.6	83.4	87.6	91.0	86.4	78.3	76.0
1948	74.1	78.9	81.4	79.0	80.9	92.0	91.5	99.1	94.0	103.0	95.4	77.6	87.2
1949	82.1	89.0	97.8	96.2	100.5	106.7	103.3	108.2	107.2	109.2	104.0	95.9	100.0
1950	92.0	90.0	95.8	96.8	106.4	109.0	117.7	110.1	110.0	114.8	107.4	99.3	104.1
1951	92.6	100.5	103.3	113.1	111.8	108.2	112.7	110.8	112.1	111.9	109.1	93.2	106.6
1952	99.4	110.5	107.2	113.2	112.7	116.8	118.0	114.7	112.1	117.9	127.3	115.3	114.6
1953	108.7	131.8	135.6	134.9	142.2	147.8	153.2	145.8	145.7	149.2	148.4	130.8	139.5
1954	114.7	130.3	137.0	149.7	144.3	157.2	145.2	141.2	151.0	149.7	146.6	122.8	140.8
1955	124.4	135.0	136.0	126.9	161.7	170.7	178.0	190.1	193.7	177.3	167.3	115.5	156.4
1956	140.0	144.4	151.0	186.3	194.6	206.4	199.3	203.6	194.1	213.4	192.6	154.6	181.7
1957	161.7	163.5	172.1	178.5	219.0	250.8	300.0	289.1	278.6	267.3	237.0	139.1	221.4
1958	136.7	154.6	151.3	200.0	254.0	297.1	267.5	277.8	264.9	285.8	241.7	159.2	224.2
1959	123.5	124.0	144.4	198.2	256.7	294.4	312.2	296.4	305.8	262.4	218.7	141.8	223.2
1960	101.7	124.6	132.1	150.8	221.4	270.3	262.4	280.9	261.6	275.6	222.6	141.5	203.8
1961	118.8	102.5	125.1	182.6	263.7	307.2	278.8	285.9	286.1	274.1	217.0	133.7	214.6
1962	122.1	137.3	156.1	191.7	268.6	339.3	318.7	306.0	324.4	298.0	244.5	196.1	241.9
1963	145.9	138.1	148.5	206.3	286.2	335.4	321.9	329.2	318.4	336.0	257.6	128.6	246.0
1964	128.5	175.9	179.5	254.8	310.9	350.1	343.6	341.9	351.0	360.3	315.1	218.6	277.5
1965	189.8	192.5	220.2	250.0	336.3	384.0	375.0	359.2	358.4	367.7	320.0	232.6	298.8
Domestic clay products (0.083)													
1946	55.4	60.5	62.0	71.4	87.9	104.5	105.8	104.6	109.0	103.2	95.0	84.1	86.9
1947	70.8	73.1	73.9	77.6	92.9	105.0	99.9	96.8	103.1	109.5	106.1	85.5	91.2
1948	69.4	77.0	77.5	85.8	102.2	120.2	118.6	118.9	122.1	121.0	118.1	103.1	102.8
1949	92.6	89.0	85.6	84.2	102.4	107.0	109.2	108.2	107.6	109.2	113.0	92.1	100.0
1950	89.5	88.4	87.4	89.8	111.5	136.8	132.2	132.4	137.8	137.0	127.1	108.9	114.9
1951	105.8	104.9	105.0	114.2	128.0	137.1	141.4	133.4	132.2	131.6	120.2	94.6	120.7
1952	91.9	86.9	87.7	96.4	114.8	134.1	129.3	127.3	137.9	135.1	131.2	119.5	116.0
1953	103.2	109.8	112.0	116.9	137.0	144.1	142.2	137.5	147.4	142.1	148.0	129.4	130.8
1954	115.7	114.6	114.0	121.2	145.1	153.2	154.7	151.6	151.8	132.0	154.2	132.2	136.7
1955	119.4	110.4	114.0	131.1	157.6	169.2	164.1	163.3	169.1	157.8	138.9	146.6	146.6
1956	137.0	138.1	130.2	151.3	166.6	186.5	177.7	171.3	176.4	154.2	158.6	121.8	155.8
1957	99.5	91.5	113.1	130.0	138.2	172.4	162.6	172.1	168.8	164.4	155.5	116.8	140.4
1958	108.7	102.9	123.9	136.1	161.4	174.3	172.5	177.1	180.3	178.7	187.9	146.6	154.2
1959	124.6	139.4	136.1	145.0	169.2	175.6	175.1	184.1	175.7	180.4	181.0	147.1	161.1
1960	135.1	141.4	136.4	149.7	166.3	162.0	155.5	141.7	139.7	145.7	136.5	125.3	144.6
1961	91.9	97.2	100.5	122.5	142.2	162.5	160.8	156.9	166.4	162.8	150.3	134.9	137.4
1962	108.8	113.4	109.4	124.9	151.2	162.7	155.1	153.4	161.1	153.6	148.8	140.0	140.2
1963	101.1	95.7	98.5	111.6	136.6	162.6	149.9	138.0	151.3	145.3	146.1	116.3	129.4
1964	90.3	107.2	119.0	138.2	151.8	150.9	147.5	153.5	153.6	153.6	156.6	137.5	138.3
1965	117.6	111.5	119.6	136.7	146.8	151.9	151.5	150.6	165.1	156.0	155.3	151.1	142.8

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1946 - Dec. 1965 - Concluded
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total electric power and gas utilities (1949 percentage weight 1.646)													
1946	82.0	81.4	78.9	79.5	78.9	77.3	74.0	74.6	75.3	80.3	84.8	85.6	79.9
1947	80.7	86.9	87.1	88.1	87.9	89.8	92.1	94.6	94.5	92.1	92.4	92.1	89.8
1948	97.2	97.3	96.9	95.7	95.6	94.2	89.6	90.2	91.6	94.1	96.4	98.4	94.8
1949	100.6	102.6	102.3	102.5	99.1	98.1	92.2	94.3	96.7	98.5	105.8	107.2	100.0
1950	111.7	114.1	111.9	111.9	110.2	108.6	104.1	106.9	111.8	116.7	124.4	126.4	113.3
1951	130.6	133.3	130.6	129.3	127.4	125.4	118.9	120.3	122.2	133.2	140.7	141.1	129.4
1952	147.3	149.1	145.2	141.5	138.6	134.4	128.7	130.0	136.0	143.1	144.6	149.4	140.7
1953	158.9	158.9	153.6	149.8	144.4	141.3	133.6	132.5	138.7	147.6	154.6	160.5	147.8
1954	163.6	165.9	164.4	160.1	154.4	154.4	146.2	147.0	156.0	166.9	177.3	183.1	161.6
1955	187.6	192.3	189.0	179.7	173.2	172.5	162.0	169.0	175.4	183.4	203.4	208.5	183.0
1956	207.8	210.5	204.5	199.6	199.0	194.4	185.8	191.0	197.6	214.5	221.5	227.2	204.3
1957	234.1	236.3	225.3	220.2	210.3	200.6	199.6	196.9	205.6	223.5	241.4	245.4	219.9
1958	256.3	262.6	248.9	239.7	228.9	221.5	214.5	213.5	224.1	241.4	262.2	281.9	241.3
1959	289.7	295.8	279.5	275.1	259.5	252.9	238.0	240.3	259.0	278.6	306.2	312.7	273.9
1960	323.4	330.0	322.6	301.2	284.6	277.5	257.5	266.9	280.8	288.8	316.4	332.1	298.3
1961	343.2	347.9	328.1	319.0	308.0	293.6	272.0	280.2	296.8	313.7	338.0	355.2	316.3
1962	377.5	382.8	363.7	342.6	331.6	312.2	286.9	302.4	308.5	324.9	357.5	365.1	338.0
1963	400.1	407.2	380.3	363.9	351.6	332.3	314.4	321.6	337.9	360.0	406.7	434.2	367.3
1964	448.9	441.6	428.1	420.0	374.3	368.6	347.3	348.6	375.2	400.5	437.2	478.5	405.7
1965	491.4	503.5	478.9	459.7	411.4	394.6	368.5	384.8	406.8	451.6	502.5	525.9	448.3
Electric power (1.480)													
1946	78.7	77.1	76.9	78.2	78.2	76.9	74.5	75.5	75.4	79.7	83.5	83.7	78.2
1947	76.4	82.0	84.2	86.4	87.9	90.3	94.5	98.0	96.9	93.3	91.6	90.4	89.9
1948	94.0	93.2	94.5	94.0	95.8	95.1	91.8	92.1	93.1	94.4	95.5	96.6	94.2
1949	97.6	98.5	100.7	101.9	100.2	99.6	94.3	97.4	98.7	99.3	105.8	106.0	100.0
1950	108.1	110.0	110.3	110.1	111.3	110.8	107.4	111.2	115.3	118.9	125.2	126.0	113.7
1951	129.1	130.0	129.9	129.7	130.3	129.2	123.5	125.6	126.3	136.7	141.7	141.4	131.1
1952	147.1	147.7	145.4	142.9	142.7	139.0	134.3	136.5	141.6	146.8	146.6	150.3	143.4
1953	158.6	157.6	154.7	151.1	147.5	146.3	139.7	139.4	144.8	152.8	157.6	162.0	151.0
1954	161.0	162.3	164.5	159.9	157.3	160.0	152.9	154.5	163.0	172.8	181.4	185.7	164.6
1955	188.2	191.1	189.8	182.2	179.4	180.7	171.1	179.6	185.1	190.9	207.8	208.8	187.9
1956	204.8	207.6	203.7	200.8	203.7	202.6	195.9	202.6	208.4	223.4	227.1	227.6	209.0
1957	231.6	230.3	224.5	220.2	215.6	208.4	210.3	207.9	216.1	231.5	244.3	245.0	223.8
1958	251.0	252.6	243.4	236.4	234.4	229.1	224.6	224.5	233.5	248.6	262.5	270.8	242.6
1959	269.4	273.3	264.6	266.3	258.4	256.8	244.4	247.1	263.3	278.6	295.0	295.1	267.7
1960	298.8	301.8	297.1	283.9	279.3	278.9	262.9	270.7	283.8	286.3	302.0	305.8	287.6
1961	307.4	307.0	297.8	291.6	291.0	285.9	271.1	279.1	292.9	303.2	317.0	322.4	297.2
1962	332.8	333.2	322.9	312.0	316.8	303.9	281.7	297.0	298.3	310.3	327.6	328.0	313.7
1963	346.9	345.6	332.5	328.5	329.0	318.5	307.9	315.4	327.3	346.9	380.1	391.8	339.2
1964	389.2	386.1	377.8	370.5	349.2	346.1	338.3	338.4	359.3	375.5	402.3	425.3	371.5
1965	425.3	429.5	417.6	399.7	382.9	376.0	358.3	375.7	388.4	424.7	458.7	468.6	408.8
Gas utilities (0.166)													
1946	112.1	120.1	96.6	91.4	85.4	80.9	69.0	66.6	74.3	85.5	96.4	103.0	90.1
1947	119.5	130.5	112.7	103.0	88.0	85.0	70.5	63.9	72.5	81.5	99.7	107.7	94.5
1948	125.8	133.9	117.9	111.1	93.6	86.6	70.1	73.2	78.5	91.0	104.4	114.9	100.1
1949	127.4	138.9	116.6	108.2	89.6	84.9	73.0	67.0	79.2	91.1	106.1	118.1	100.0
1950	143.6	150.4	126.2	128.1	100.7	88.9	74.8	68.5	80.8	96.6	117.0	130.0	108.8
1951	143.8	163.1	137.2	125.4	101.3	91.8	78.2	73.1	85.4	102.3	131.8	138.4	114.3
1952	148.7	161.6	143.7	129.2	102.0	93.0	78.4	71.6	86.3	110.5	127.1	141.1	116.1
1953	161.6	170.4	143.7	138.3	116.6	96.5	79.2	70.9	83.9	100.8	127.7	146.7	119.7
1954	186.7	197.9	163.6	161.4	128.1	104.5	86.6	80.0	93.3	114.6	141.2	159.7	134.8
1955	182.4	202.8	181.4	157.8	118.1	99.0	80.6	74.0	89.1	116.2	164.2	206.1	139.3
1956	234.8	236.5	211.7	188.7	156.7	121.0	95.7	87.8	101.2	134.9	171.8	223.7	163.7
1957	256.7	290.0	232.5	220.0	163.3	131.3	104.3	98.7	112.0	152.4	215.5	249.1	185.5
1958	303.3	351.3	298.4	268.7	180.2	153.5	124.6	115.3	140.4	177.0	259.6	380.5	229.4
1959	470.9	496.4	411.9	353.9	269.7	217.8	180.5	179.3	220.2	278.9	406.5	469.2	329.6
1960	542.3	581.3	549.7	455.9	332.2	264.6	209.4	233.3	254.2	310.8	445.1	566.1	395.4
1961	662.3	712.3	598.6	563.5	459.2	361.8	280.4	290.2	331.2	407.1	525.3	647.4	486.6
1962	775.7	825.4	727.6	615.6	463.2	386.4	333.2	350.8	399.5	455.0	623.6	695.7	554.3
1963	874.4	956.0	806.8	679.7	553.0	455.8	372.5	377.0	432.9	477.1	643.4	812.5	620.1
1964	981.3	936.7	876.6	861.2	598.4	569.3	427.5	439.6	516.6	623.5	748.7	952.4	711.0
1965	1,080.7	1,163.4	1,025.1	994.8	665.5	560.8	459.2	465.7	570.4	691.8	892.7	1,037.0	800.6

CHART-17

REAL DOMESTIC PRODUCT COMPARED WITH ITS INDEX OF INDUSTRIAL PRODUCTION COMPONENT,
BY QUARTERS, 1949-65
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949 = 100)

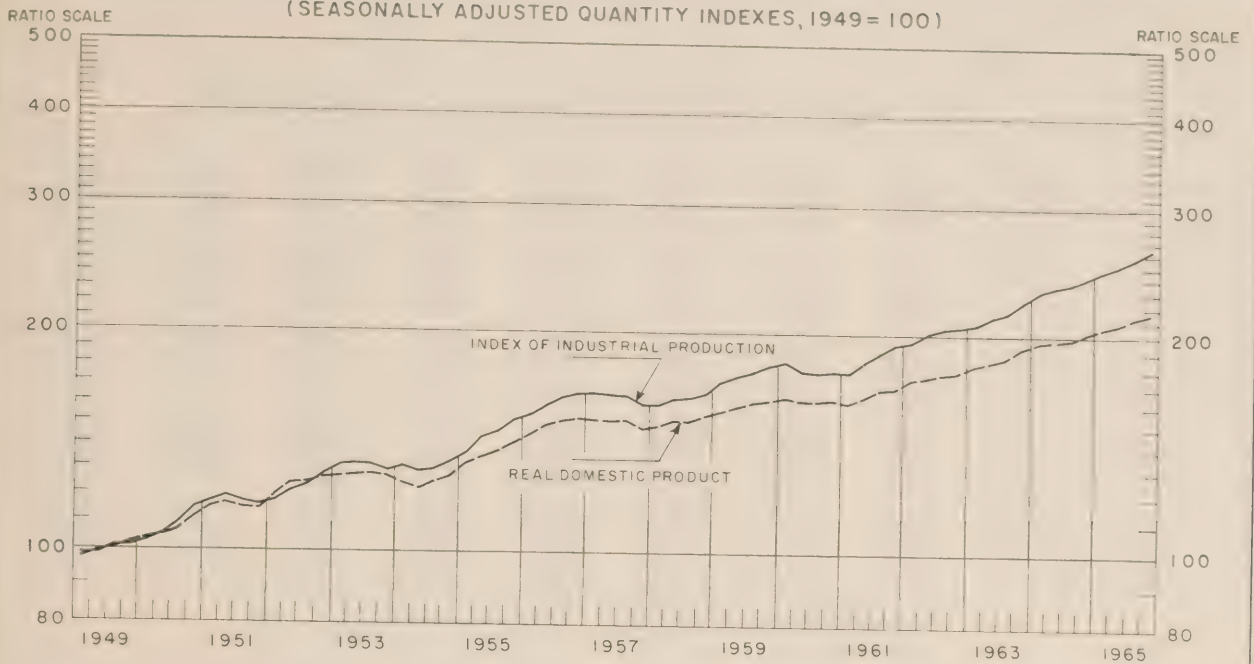


TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total Real Domestic Product (1949 percentage weight 100.000)									
1946	91.9	90.2	89.3	88.3	80.5	87.3	104.3	86.9	89.8
1947	91.8	93.6	94.0	95.0	81.8	92.1	105.8	95.3	93.8
1948	94.8	95.2	97.1	98.7	83.7	93.4	113.6	97.8	97.1
1949	98.1	99.9	100.1	101.5	87.0	98.3	114.0	100.7	100.0
1950	103.2	104.1	107.5	110.6	90.4	101.7	125.1	108.9	106.5
1951	114.5	116.2	114.5	114.3	99.9	112.1	135.5	111.8	114.8
1952	119.7	123.2	123.8	126.5	103.0	117.2	149.5	122.9	123.2
1953	126.6	127.8	128.6	127.2	110.0	123.3	152.0	124.3	127.4
1954	124.0	122.2	124.5	127.4	110.5	121.5	139.1	127.9	124.7
1955	132.5	135.7	138.3	140.7	116.9	133.6	160.3	138.6	137.4
1956	145.3	149.3	150.4	152.6	127.0	145.9	175.8	149.6	149.6
1957	151.1	150.8	150.9	148.0	134.0	149.7	168.1	146.4	149.6
1958	149.3	151.1	150.7	154.2	132.8	150.2	170.1	152.7	151.5
1959	157.5	159.4	160.3	161.6	141.1	158.2	180.0	160.0	159.8
1960	163.7	161.7	161.6	162.5	146.8	160.0	182.8	160.2	162.5
1961	160.7	164.4	168.8	169.4	146.0	164.5	183.1	169.2	165.7
1962	174.1	175.4	178.1	178.7	156.9	174.3	199.8	175.0	176.5
1963	182.1	184.7	186.1	192.0	164.1	181.8	210.7	189.0	186.4
1964	195.8	196.9	198.0	201.5	178.0	195.4	217.8	200.4	197.9
1965	207.0	209.0	213.2	217.2	188.5	206.2	234.4	216.0	211.3
Total agriculture (10.714)									
1946	113.8	118.5	116.1	93.8	51.1	92.0	239.7	54.8	109.4
1947	100.3	105.7	98.5	101.8	55.4	88.5	191.4	75.9	102.8
1948	97.3	97.7	103.6	103.2	45.6	77.1	235.9	65.8	106.2
1949	95.8	101.2	98.3	103.0	48.7	79.4	202.6	69.3	100.0
1950	114.3	99.6	100.0	107.3	53.7	70.4	237.2	63.5	106.2
1951	115.0	123.9	119.7	119.7	47.4	80.2	287.4	68.6	120.9
1952	147.0	157.6	150.1	149.1	57.4	90.9	359.6	87.4	148.8
1953	138.8	138.6	143.6	134.4	52.9	83.6	329.7	79.1	136.2
1954	108.3	98.7	101.6	107.0	55.4	79.4	201.5	81.0	104.4
1955	128.3	129.0	127.0	132.4	59.8	90.7	294.4	83.6	132.2
1956	143.7	145.0	134.6	142.1	60.6	92.7	326.3	87.3	141.7
1957	123.5	120.0	122.0	117.2	59.8	92.8	238.1	79.2	117.8
1958	124.7	125.3	121.9	128.7	62.6	97.1	254.1	86.7	125.0
1959	128.7	128.1	124.0	120.3	66.4	95.7	263.8	74.7	125.7
1960	130.6	128.1	125.4	127.8	66.4	90.2	280.4	74.8	127.8
1961	110.4	118.5	123.8	116.6	67.7	99.4	215.8	81.0	116.0
1962	136.7	129.8	139.6	137.7	72.3	97.9	299.9	68.8	134.7
1963	141.6	147.5	145.5	150.3	67.3	96.4	340.5	86.0	147.1
1964	136.9	144.8	136.5	143.1	68.9	105.7	293.9	92.5	140.7
1965	153.6	147.7	151.0	149.4	76.0	100.1	330.7	93.0	149.8
Total Real Domestic Product less agriculture (89.286)									
1946	89.2	86.8	86.0	87.6	84.0	86.7	88.1	90.8	87.4
1947	90.8	92.2	93.5	94.1	85.0	92.5	95.6	97.6	92.7
1948	94.5	94.9	96.3	98.2	88.3	95.3	99.0	101.6	96.0
1949	98.3	99.8	100.3	101.3	91.6	100.6	103.4	104.5	100.0
1950	101.9	104.6	108.4	111.0	94.7	105.5	111.6	114.3	106.2
1951	114.5	115.3	113.8	113.6	106.2	116.0	117.2	117.0	114.8
1952	116.5	119.1	120.7	123.8	108.5	120.4	124.3	127.2	120.9
1953	125.1	126.5	126.8	126.3	116.9	128.1	130.7	129.7	126.5
1954	125.8	125.0	127.3	129.8	117.1	126.5	131.6	133.5	127.4
1955	133.0	136.5	139.6	141.8	123.8	138.7	144.2	145.3	138.6
1956	145.5	149.8	152.2	153.9	134.9	152.3	157.7	157.1	150.0
1957	154.5	154.5	154.4	151.7	142.9	156.5	159.7	154.4	153.0
1958	152.3	154.2	154.2	157.3	141.3	156.6	160.0	160.7	154.0
1959	160.9	163.1	164.7	166.6	150.0	165.7	170.0	170.2	164.0
1960	167.7	165.8	166.0	166.7	156.5	168.3	171.1	170.4	166.0
1961	166.7	169.9	174.1	175.8	155.3	172.3	179.2	179.8	171.0
1962	178.6	180.8	182.8	183.6	167.0	183.4	187.7	187.7	181.0
1963	187.0	189.2	191.0	197.0	175.7	192.1	195.2	201.4	191.0
1964	202.8	203.1	205.4	208.5	191.1	206.1	208.7	213.4	204.0
1965	213.4	216.4	220.7	225.4	202.1	218.9	222.9	230.8	218.0

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total forestry (1949 percentage weight 2,108)									
1946	105.6	109.3	97.5	105.1	97.2	81.1	95.7	138.5	103.1
1947	113.4	113.5	120.8	122.9	101.9	88.4	118.9	165.6	118.7
1948	135.9	115.5	116.7	111.4	118.5	90.8	117.0	148.8	118.8
1949	95.2	97.0	99.7	102.0	84.3	84.0	104.2	127.5	100.0
1950	89.9	114.4	130.8	130.7	78.0	95.8	134.6	167.2	118.9
1951	146.2	166.4	140.9	130.7	122.2	128.1	143.5	172.2	141.5
1952	157.0	126.1	120.5	128.5	127.2	103.6	129.5	158.5	129.7
1953	122.1	119.7	119.8	124.0	104.3	102.8	130.1	157.6	123.7
1954	118.6	121.0	135.0	135.1	97.1	103.9	148.3	164.5	128.4
1955	130.1	132.8	132.7	141.2	109.2	113.1	148.3	172.2	135.7
1956	144.9	142.8	146.7	142.6	116.7	121.0	164.9	171.0	143.4
1957	143.2	157.2	128.7	108.0	113.6	138.4	146.8	123.2	130.5
1958	111.5	115.4	115.4	117.6	91.1	108.3	132.4	130.6	115.6
1959	128.2	129.1	123.1	139.9	104.8	119.3	141.6	156.7	130.6
1960	144.4	136.9	149.7	137.3	116.0	123.6	172.1	155.5	141.8
1961	128.9	130.4	134.7	130.4	104.5	120.5	154.3	143.8	130.8
1962	146.9	141.7	140.4	143.6	117.2	126.4	163.8	154.5	140.5
1963	148.8	137.8	149.4	161.4	123.7	129.1	175.8	169.0	149.4
1964	161.4	153.3	166.4	156.3	138.5	135.9	195.7	166.9	159.3
1965	168.6	174.0	155.0	157.3	144.3	151.5	184.9	161.0	160.4
Total fishing and trapping (0.540)									
1946	70.7	88.7	86.3	85.2	47.1	85.8	120.8	94.4	87.1
1947	65.7	77.8	83.4	82.3	42.1	73.4	116.5	92.1	81.0
1948	91.8	86.3	85.3	92.6	51.4	80.0	114.9	103.7	87.6
1949	99.2	102.0	99.5	100.0	58.6	95.4	140.2	105.7	100.0
1950	97.1	98.9	107.4	116.0	55.6	103.7	155.8	120.2	108.8
1951	112.1	112.1	111.5	106.1	61.1	111.3	161.9	111.2	111.4
1952	123.8	113.6	97.0	87.8	66.9	112.6	131.8	94.9	101.6
1953	87.9	100.0	104.2	113.2	56.2	99.2	146.5	112.3	103.5
1954	102.9	102.1	115.4	123.8	58.8	98.5	163.3	128.7	112.3
1955	105.5	111.5	106.2	102.7	71.0	102.9	147.8	100.6	105.6
1956	161.6	116.4	103.4	106.1	83.0	113.1	150.9	99.6	111.6
1957	123.0	103.2	109.6	93.5	68.8	99.6	158.4	95.2	105.5
1958	105.1	112.5	121.7	120.2	66.7	114.8	176.6	113.2	117.8
1959	88.4	109.2	100.3	120.6	55.1	110.6	142.8	114.8	105.8
1960	86.6	112.7	98.2	103.5	55.9	117.5	136.4	106.4	104.0
1961	141.9	109.0	109.5	120.2	77.2	112.9	155.5	117.1	115.7
1962	144.1	123.6	131.4	130.0	74.9	127.8	189.6	129.4	130.4
1963	122.4	134.6	130.0	121.1	78.0	136.9	168.4	117.5	125.2
1964	131.1	115.9	119.7	136.9	78.6	118.3	168.2	129.2	123.6
1965	124.4	117.1	116.8	123.6	74.7	118.1	163.7	125.2	120.4
Total mining (3.245)									
1946	74.9	75.3	77.0	74.5	73.4	74.1	74.3	75.5	74.3
1947	74.0	76.4	83.2	83.6	71.9	75.8	80.6	85.4	78.5
1948	81.1	90.8	94.9	95.1	79.1	90.3	92.6	98.1	90.0
1949	94.7	95.4	104.0	104.5	91.8	94.3	104.8	109.0	100.0
1950	106.5	107.0	107.8	115.5	102.5	105.9	109.1	119.8	109.3
1951	117.4	124.3	127.0	124.3	112.0	123.3	130.0	128.4	123.5
1952	124.5	131.7	133.0	136.2	118.6	130.2	136.8	140.5	131.6
1953	140.1	144.8	146.6	142.4	133.3	141.9	151.6	146.4	143.3
1954	154.6	153.4	160.1	166.5	148.1	150.3	166.4	170.7	158.9
1955	173.7	177.3	191.0	201.6	168.2	173.7	202.3	206.8	187.8
1956	207.4	211.8	220.0	228.0	201.1	206.9	233.3	231.9	218.3
1957	226.6	244.9	244.7	244.7	220.4	238.9	258.3	239.8	239.3
1958	246.1	245.8	244.8	243.4	237.5	235.6	255.0	245.2	243.3
1959	262.6	267.6	281.1	287.1	257.1	262.8	294.0	287.7	275.4
1960	284.3	272.5	273.9	268.2	278.4	269.4	285.5	269.2	275.6
1961	269.4	281.1	287.8	294.6	264.1	277.2	296.2	294.4	283.0
1962	293.4	300.8	312.0	307.8	290.6	299.9	321.6	306.8	304.7
1963	308.4	318.3	316.2	331.7	303.8	317.6	322.6	329.1	318.3
1964	344.3	350.1	341.4	347.8	337.9	350.7	348.8	348.2	346.4
1965	359.4	355.7	372.8	375.0	351.5	356.2	379.1	375.6	365.6

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total metal mining (1949 percentage weight 1.925)									
1946	74.3	73.5	75.5	75.2	72.2	74.1	73.8	72.9	73
1947	75.8	81.5	81.8	83.4	74.3	82.1	79.9	82.1	79
1948	82.0	88.2	90.1	93.9	81.5	89.4	88.7	94.0	88
1949	95.9	100.1	100.6	102.4	94.0	100.3	100.8	104.9	100
1950	99.7	102.8	104.5	105.6	97.7	103.2	104.1	107.7	103
1951	107.1	108.0	109.2	108.4	104.9	108.6	109.1	109.8	108
1952	109.6	110.7	112.0	113.5	107.1	111.2	112.3	114.9	111
1953	123.6	123.5	117.6	109.1	120.7	123.5	118.1	109.7	118
1954	127.2	129.5	129.2	135.6	123.6	129.2	130.9	136.2	130
1955	136.6	138.9	151.5	151.9	133.2	140.1	161.6	154.3	147
1956	146.0	158.4	163.1	161.9	139.2	160.5	177.4	163.3	160
1957	163.2	178.0	199.0	217.3	152.9	179.4	215.4	206.0	188
1958	212.7	222.5	218.1	201.3	196.3	212.6	230.8	201.9	210
1959	224.9	235.9	248.8	256.3	213.0	234.7	266.3	256.0	242
1960	249.7	228.1	235.8	226.5	236.7	229.8	252.4	226.7	236
1961	224.7	215.3	218.8	222.4	212.2	216.8	231.7	220.8	220
1962	214.5	225.3	232.2	222.7	202.8	231.8	247.9	218.5	225
1963	218.0	232.8	223.6	238.4	203.4	240.6	235.5	230.4	227
1964	249.7	252.6	239.1	236.4	232.9	264.1	253.6	232.2	245
1965	253.9	240.2	248.5	256.0	233.8	252.4	261.2	250.9	245
Total non-metal mining (0.268)									
1946	88.2	98.9	102.0	104.7	79.1	96.1	105.5	105.7	91
1947	113.8	108.6	111.8	113.8	101.4	105.6	115.5	114.2	102
1948	113.9	121.2	126.8	122.0	102.3	118.8	131.1	123.1	111
1949	82.2	54.3	130.5	129.1	70.3	51.7	143.3	134.6	100
1950	130.8	135.2	134.3	154.8	118.2	132.1	146.4	159.6	134
1951	155.9	165.1	151.7	151.1	143.7	162.4	163.2	154.4	150
1952	158.1	155.9	150.6	153.2	146.8	156.2	159.5	156.4	150
1953	151.9	154.9	152.2	145.3	141.3	155.4	162.1	147.0	151
1954	148.4	150.9	162.3	165.6	137.9	152.9	171.5	168.2	150
1955	167.7	175.7	185.2	191.3	155.6	177.8	194.7	193.7	184
1956	205.1	191.3	185.9	184.9	186.0	194.7	193.4	187.0	190
1957	186.4	187.6	180.2	174.3	170.8	192.3	187.9	177.0	180
1958	164.5	159.2	172.4	191.0	150.5	163.9	177.6	197.5	174
1959	187.7	201.8	202.2	196.6	170.3	208.0	207.0	205.2	193
1960	194.1	196.1	192.6	203.2	177.2	201.2	195.2	212.3	195
1961	206.7	210.2	218.7	221.7	191.3	215.3	220.3	232.1	217
1962	221.4	226.9	236.7	246.3	206.3	232.3	236.5	259.3	233
1963	265.3	264.5	274.5	287.4	243.3	271.3	274.5	302.9	270
1964	294.8	309.6	320.4	324.9	272.1	317.4	319.0	342.8	313
1965	353.2	366.3	384.6	401.5	326.3	376.7	381.9	423.7	372
Total fuel mining (0.915)									
1946	74.6	74.7	75.7	65.8	81.1	69.0	65.3	73.6	72
1947	58.3	55.8	77.3	73.5	63.5	51.8	66.4	82.2	60
1948	67.1	86.0	94.7	88.7	72.0	80.3	82.7	97.8	82
1949	97.3	96.8	102.2	103.5	101.0	90.6	95.6	112.8	100
1950	113.7	105.9	106.2	122.2	115.4	99.4	102.0	131.5	111
1951	124.2	143.8	155.2	147.4	123.8	137.2	155.2	157.6	143
1952	143.8	165.9	168.7	175.3	141.7	156.9	171.0	186.0	145
1953	167.6	187.0	205.3	207.7	165.1	174.6	211.5	219.6	197
1954	211.9	199.4	219.1	228.3	211.6	185.6	224.9	240.1	213
1955	252.4	256.0	273.8	307.2	256.5	237.0	279.2	319.4	270
1956	333.7	327.8	348.1	379.0	347.5	302.0	350.8	387.2	349
1957	364.3	398.8	358.0	322.5	387.6	369.2	356.5	327.9	363
1958	338.8	316.8	322.2	346.4	364.4	295.8	317.2	348.9	333
1959	360.9	348.6	370.1	377.3	390.5	328.6	362.3	377.1	363
1960	382.4	385.3	372.0	371.1	413.6	365.2	361.3	370.6	377
1961	377.9	441.4	452.5	466.0	410.2	419.0	439.7	464.6	424
1962	478.9	469.4	492.5	494.8	518.3	446.7	474.7	494.1	465
1963	507.7	507.4	516.8	535.8	550.4	482.4	496.9	536.9	513
1964	544.8	558.8	553.1	575.5	591.8	530.1	530.6	578.1	557
1965	570.2	582.6	618.2	601.7	619.9	551.6	594.7	605.0	569

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total manufacturing (1949 percentage weight 27.340)									
1946	83.7	85.2	84.4	87.5	82.0	86.2	84.9	87.7	85.2
1947	91.6	92.8	94.0	94.7	90.1	94.1	94.0	94.7	93.2
1948	96.0	96.7	96.9	99.2	94.2	98.1	97.5	99.2	97.3
1949	99.7	99.9	99.7	100.5	97.4	101.3	100.5	100.8	100.0
1950	100.9	103.6	108.9	113.6	98.7	105.3	109.6	113.4	106.7
1951	117.0	117.9	115.3	113.4	114.8	119.9	115.8	113.2	115.9
1952	115.9	118.1	121.1	125.9	113.9	120.2	121.1	125.5	120.2
1953	129.1	129.6	129.1	127.2	127.5	132.1	129.0	126.9	128.9
1954	127.0	124.7	124.3	126.5	124.9	126.9	125.4	126.7	126.0
1955	131.9	136.9	140.4	143.1	129.1	139.8	140.8	143.3	138.3
1956	145.9	150.9	152.9	155.1	142.2	154.3	153.3	155.1	151.2
1957	155.3	151.5	150.2	145.8	151.5	154.8	151.1	146.3	150.9
1958	145.1	148.0	148.2	150.9	141.2	151.1	148.8	151.1	148.0
1959	155.0	159.0	159.9	161.8	151.1	162.5	160.1	162.2	159.0
1960	164.5	160.6	159.2	160.6	160.5	164.2	159.1	161.2	161.2
1961	160.1	163.9	170.2	173.3	155.9	167.5	169.6	174.5	166.9
1962	175.7	179.8	183.6	184.8	171.5	184.1	182.9	186.4	181.2
1963	188.1	191.8	194.8	200.8	183.5	196.6	192.6	203.1	193.9
1964	207.7	210.7	214.0	216.2	203.3	215.8	209.8	218.7	211.9
1965	223.0	226.5	232.6	239.1	218.6	231.8	227.3	242.7	230.1
Total non-durable manufacturing (14.742)									
1946	89.5	89.1	89.0	91.6	87.2	89.0	89.7	93.1	89.8
1947	92.8	93.4	93.1	93.6	91.4	93.5	93.0	94.9	93.2
1948	95.4	95.6	96.1	97.5	93.2	96.0	97.0	98.9	96.3
1949	98.7	99.2	100.4	101.4	95.8	99.5	101.6	103.1	100.0
1950	102.7	105.1	107.9	112.0	99.6	105.4	109.1	113.6	106.9
1951	113.1	114.5	111.7	109.6	109.9	114.7	113.3	111.0	112.2
1952	112.2	113.1	116.2	120.2	108.6	113.4	117.8	121.8	115.4
1953	121.8	123.7	123.9	123.2	118.9	124.1	125.6	124.5	123.3
1954	123.7	123.8	125.6	127.6	119.9	124.3	128.0	128.9	125.3
1955	129.7	133.0	135.0	139.6	125.6	133.3	137.7	141.0	134.4
1956	142.7	145.3	146.6	147.8	137.6	145.8	149.0	149.4	145.5
1957	151.1	148.8	149.5	145.6	145.8	149.3	152.9	147.4	148.9
1958	145.5	149.9	152.8	156.6	140.6	150.6	155.6	158.4	151.3
1959	158.1	161.1	163.3	164.7	153.1	162.0	166.1	166.3	161.9
1960	166.8	165.0	165.4	167.2	161.2	166.2	168.0	169.2	166.1
1961	167.8	171.6	176.0	179.0	162.0	173.1	178.5	180.9	173.6
1962	181.2	182.9	184.3	184.9	175.2	184.7	187.1	187.0	183.5
1963	189.2	193.3	196.6	200.4	183.1	195.1	198.5	202.7	194.9
1964	206.6	210.2	211.2	216.7	200.4	212.1	213.1	219.3	211.2
1965	218.7	220.3	226.2	231.4	212.1	222.1	227.3	234.8	224.1
Total foods and beverages (3.814)									
1946	100.2	96.0	98.1	98.5	85.9	93.0	107.6	105.4	98.0
1947	97.4	97.5	95.6	99.1	83.7	95.4	105.0	105.1	97.2
1948	100.6	96.9	96.2	98.6	86.1	95.8	108.3	103.8	98.5
1949	97.8	98.2	100.9	102.3	81.9	98.2	113.7	106.2	100.0
1950	101.4	102.9	102.2	105.1	85.0	102.9	115.0	108.7	102.9
1951	106.6	106.2	106.9	107.1	89.0	105.6	121.0	110.5	106.5
1952	111.8	113.7	113.5	115.5	93.4	113.0	127.3	120.4	113.5
1953	114.1	115.5	116.6	119.0	97.4	115.0	131.4	122.8	116.6
1954	119.6	120.3	120.7	122.3	101.4	120.0	136.6	125.8	120.9
1955	122.8	125.4	127.7	125.8	103.8	124.0	145.3	129.6	125.7
1956	132.9	133.6	133.6	134.8	111.2	132.5	150.1	139.0	133.2
1957	137.6	136.4	140.1	137.9	116.1	135.4	159.7	142.7	138.5
1958	141.0	143.9	143.7	150.1	120.2	143.1	162.4	154.5	145.1
1959	147.9	152.9	155.5	152.6	126.7	152.0	174.6	155.8	152.3
1960	153.7	154.2	152.8	154.5	131.3	154.1	171.3	159.0	153.9
1961	154.6	155.6	162.4	163.5	131.6	155.7	181.4	167.8	159.1
1962	165.3	168.7	167.3	165.9	141.4	168.5	188.7	170.4	167.3
1963	169.8	171.3	172.7	175.6	145.6	170.9	191.9	180.2	172.2
1964	182.3	184.2	184.7	190.9	158.5	183.3	205.0	195.6	185.6
1965	192.4	189.6	195.2	197.6	166.5	188.1	214.8	203.0	193.1

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 — Continued
1949=100

	Adjusted for seasonal variation				Without seasonal adjustment					Year
	I	II	III	IV	I	II	III	IV		
	Total tobacco and tobacco products (1949 percentage weight 0.248)									
1946	90.0	82.9	97.3	92.9	88.6	83.7	92.5	97.6	90	
1947	94.8	90.2	90.6	96.9	93.2	93.0	86.3	101.1	93	
1948	91.1	91.8	93.3	97.1	90.0	95.4	88.1	100.2	93	
1949	93.0	97.7	103.3	106.3	94.1	105.7	95.5	104.7	100	
1950	105.1	101.5	102.4	101.7	106.0	110.0	94.3	100.5	102	
1951	110.4	96.0	75.8	101.2	110.0	104.3	68.3	100.7	95	
1952	96.0	115.5	124.2	109.4	94.5	126.4	114.2	108.9	111	
1953	108.4	123.6	125.3	122.7	105.7	135.2	118.7	122.4	120	
1954	123.4	125.0	125.9	132.0	118.9	137.4	119.6	132.1	127	
1955	134.6	141.7	136.9	147.6	129.3	155.7	129.8	147.6	140	
1956	144.3	154.7	150.8	159.7	139.2	168.0	142.7	160.1	152	
1957	165.5	168.1	171.0	161.0	160.1	181.3	161.6	161.4	166	
1958	174.0	177.3	191.2	180.0	169.5	190.4	180.8	180.9	180	
1959	186.2	187.6	187.5	201.9	182.5	200.2	177.8	202.7	190	
1960	194.3	189.0	198.7	207.4	191.1	201.4	189.1	208.1	197	
1961	204.5	211.1	210.6	213.0	201.6	225.0	199.2	214.3	210	
1962	222.7	218.7	220.0	222.0	219.4	233.3	207.9	223.0	220	
1963	232.7	228.5	218.1	221.5	231.2	243.5	204.9	221.7	225	
1964	214.0	230.2	240.2	241.1	212.1	245.7	228.9	241.7	232	
1965	241.3	240.8	238.9	248.1	239.3	257.3	228.2	248.9	243	
	Total rubber products (0.430)									
1946	106.3	111.7	38.3	90.9	116.1	113.8	31.7	96.5	85	
1947	123.9	129.5	135.1	123.2	135.0	132.0	112.7	130.0	127	
1948	123.6	118.4	108.3	113.2	134.3	120.9	91.1	119.2	116	
1949	105.4	100.6	94.5	98.4	113.2	102.5	83.4	100.8	100	
1950	103.6	108.7	125.8	133.0	110.8	111.7	111.1	135.7	117	
1951	132.9	131.2	125.3	108.5	141.7	136.1	110.3	110.4	124	
1952	112.0	114.0	111.3	129.2	119.0	118.7	98.2	131.6	119	
1953	134.7	136.9	136.8	130.1	142.6	143.2	119.6	132.6	134	
1954	122.6	116.7	113.6	116.2	129.0	122.3	99.7	119.1	117	
1955	131.0	134.4	139.1	151.4	136.5	141.0	122.8	156.1	139	
1956	146.8	160.3	166.1	161.6	151.1	167.9	147.0	167.3	154	
1957	163.2	149.8	142.2	144.6	166.5	156.9	127.4	150.0	152	
1958	131.7	147.2	161.8	165.6	133.7	154.3	146.3	171.3	154	
1959	178.5	181.4	172.2	168.9	180.8	189.7	156.9	174.2	174	
1960	175.2	149.8	151.0	148.4	176.8	157.1	137.7	152.4	150	
1961	141.9	154.4	164.7	174.7	143.6	162.5	150.1	178.2	151	
1962	168.7	179.2	187.9	193.7	171.5	189.3	170.5	198.6	185	
1963	205.2	206.1	206.3	212.3	209.5	218.6	183.6	217.9	207	
1964	225.7	234.6	229.0	235.3	235.0	250.9	203.1	242.2	233	
1965	230.2	227.4	234.9	253.3	238.9	243.0	206.3	261.4	237	
	Total leather products (0.508)									
1946	120.0	126.0	131.4	120.3	127.0	129.2	118.7	121.2	120	
1947	120.0	113.7	102.8	98.7	127.5	116.1	92.9	99.8	101	
1948	98.0	93.6	93.2	97.3	104.3	95.5	84.5	97.9	95	
1949	97.6	102.3	103.4	97.8	104.0	103.3	94.3	98.4	100	
1950	93.8	90.7	96.0	102.5	100.1	92.0	88.3	102.3	97	
1951	100.3	96.2	84.6	79.8	107.5	98.5	78.1	78.7	97	
1952	88.2	98.2	104.9	109.2	94.9	100.9	96.7	106.6	93	
1953	110.0	109.3	105.0	99.4	118.3	113.1	96.3	96.4	100	
1954	98.6	99.2	99.6	95.5	106.1	102.7	91.8	92.6	93	
1955	100.7	104.4	106.9	115.0	108.1	107.6	98.9	111.8	103	
1956	116.4	116.7	115.2	116.4	124.7	119.9	106.8	113.4	112	
1957	116.2	114.6	113.6	113.5	124.5	117.4	105.2	111.0	115	
1958	111.9	113.0	118.4	119.5	119.8	115.2	110.3	117.3	113	
1959	119.6	126.1	121.9	118.7	128.1	128.2	113.3	116.3	123	
1960	115.9	109.1	114.9	116.5	123.9	110.6	107.7	114.5	112	
1961	120.2	126.7	129.1	132.1	128.8	128.3	120.0	130.4	129	
1962	131.6	130.9	131.2	129.7	140.9	132.3	121.6	128.6	133	
1963	131.9	131.4	130.2	134.4	141.1	132.5	121.4	133.5	131	
1964	135.3	138.3	138.7	137.1	144.7	139.1	128.8	136.6	133	
1965	135.5	132.9	134.9	137.5	144.5	133.4	126.0	137.0	132	

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 -- Continued
1949=100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total textiles (1949 percentage weight 1.623)									
1946	89.7	87.6	87.4	89.7	95.9	89.1	82.6	87.2	88.7
1947	92.6	95.2	95.2	92.9	99.0	96.5	89.5	91.0	94.0
1948	94.4	96.9	99.3	99.0	100.5	98.0	92.8	97.8	97.3
1949	99.5	99.5	101.1	100.4	106.4	99.1	91.9	102.5	100.0
1950	104.6	108.7	116.1	120.8	111.8	108.6	106.3	123.3	112.5
1951	120.5	127.0	109.6	102.3	128.6	127.0	100.3	104.3	115.1
1952	101.6	96.6	105.0	114.8	107.7	97.0	96.1	117.0	104.5
1953	116.5	117.5	110.9	99.3	123.0	118.4	101.6	101.5	111.1
1954	94.6	96.6	102.9	106.7	99.2	97.3	95.1	109.1	100.2
1955	115.2	119.8	119.0	126.0	120.4	120.7	110.0	129.1	120.0
1956	124.3	123.2	122.0	127.7	129.0	124.6	113.0	131.0	124.4
1957	130.9	125.1	125.6	120.0	135.1	126.7	116.6	123.3	125.4
1958	111.2	117.8	125.2	130.9	114.1	119.6	116.8	134.3	121.2
1959	134.1	138.7	138.9	136.0	137.7	141.4	129.6	139.2	137.0
1960	142.6	138.4	134.3	139.8	146.2	141.5	125.0	142.8	138.9
1961	144.1	148.4	156.2	160.7	147.9	152.2	144.3	164.1	152.1
1962	163.7	165.1	170.0	172.4	168.2	169.6	156.8	176.2	167.7
1963	177.0	182.8	187.6	196.4	181.3	187.9	173.9	200.7	186.0
1964	197.5	204.3	205.0	206.4	201.8	210.1	189.6	211.5	203.3
1965	211.1	213.5	228.3	229.3	216.1	220.1	211.4	234.9	220.6
Total clothing (1.801)									
1946	94.8	94.9	95.5	95.7	102.0	93.7	92.1	93.2	95.3
1947	93.0	92.5	91.5	92.0	104.0	91.2	85.1	88.7	92.2
1948	96.2	96.9	98.2	99.1	103.7	95.3	94.6	96.8	97.6
1949	101.3	99.0	100.3	99.3	106.4	97.1	99.2	97.4	100.0
1950	99.0	100.0	99.9	106.8	104.0	98.3	98.8	104.1	101.3
1951	105.6	105.0	99.6	93.0	111.2	103.7	98.7	90.1	100.9
1952	101.5	110.2	114.8	118.1	107.5	108.3	114.2	114.0	111.0
1953	118.8	116.5	112.4	107.3	125.6	114.0	112.4	103.5	113.9
1954	108.5	105.1	110.5	112.0	114.6	102.3	111.0	108.2	109.0
1955	109.9	112.2	116.2	122.7	115.4	109.2	117.1	118.7	115.1
1956	122.0	125.5	123.8	127.7	122.3	122.3	125.3	119.8	123.8
1957	127.1	125.0	124.3	120.2	132.9	122.1	126.1	115.8	124.2
1958	118.5	120.8	123.1	124.3	123.5	118.0	125.4	119.4	121.6
1959	127.5	129.7	130.1	129.2	132.4	126.7	132.9	124.4	129.1
1960	127.8	125.7	128.0	130.5	132.2	122.9	131.3	125.7	128.0
1961	130.7	133.7	136.1	139.0	134.8	130.9	139.9	133.7	134.8
1962	139.7	141.3	144.1	142.3	144.0	138.5	148.1	137.0	141.9
1963	146.1	149.5	151.4	154.3	150.6	146.8	155.2	148.6	150.3
1964	159.9	163.0	164.3	166.8	164.7	160.2	167.7	161.0	163.4
1965	167.0	168.9	172.1	177.2	171.9	165.9	175.2	171.9	171.2
Total paper products (2.649)									
1946	76.7	79.5	82.4	85.2	77.5	80.6	81.0	84.7	81.0
1947	87.8	88.3	89.6	90.7	88.5	89.5	88.0	90.2	89.1
1948	92.4	95.8	95.7	95.7	92.9	97.1	94.1	95.5	94.9
1949	100.4	99.2	98.6	101.6	99.2	99.9	98.3	102.6	100.0
1950	103.4	106.5	110.2	112.8	102.2	107.1	109.8	113.9	108.3
1951	114.6	118.4	116.8	113.0	113.3	119.0	117.8	117.7	117.0
1952	116.3	108.6	110.9	113.2	115.5	109.2	110.8	113.8	112.3
1953	114.7	118.0	119.2	120.7	113.5	119.0	118.9	121.1	118.1
1954	120.7	122.2	123.1	122.8	119.3	123.6	123.0	123.1	122.2
1955	123.7	125.7	127.2	132.1	121.8	127.5	127.4	132.0	127.2
1956	135.4	136.8	138.2	136.9	133.2	138.7	138.7	136.5	136.8
1957	139.7	136.9	135.5	125.2	137.2	138.8	136.1	125.2	134.3
1958	128.0	133.2	135.1	137.1	125.1	135.3	135.9	137.6	133.5
1959	138.3	142.8	143.7	148.7	134.6	145.1	144.1	149.7	143.4
1960	150.2	149.7	151.7	152.1	145.8	151.9	152.1	153.8	150.9
1961	152.4	156.2	157.7	159.5	148.3	158.5	158.5	161.3	156.7
1962	162.0	163.3	165.2	163.9	157.3	165.2	166.2	165.9	163.7
1963	163.0	168.7	172.0	176.4	158.3	170.2	173.0	178.8	170.1
1964	182.2	184.1	187.4	192.0	176.8	185.2	188.2	194.9	188.3
1965	194.5	196.1	199.9	202.7	189.7	196.8	200.6	206.2	198.3

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949=100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total printing, publishing and allied industries (1949 percentage weight 1.273)									
1946	72.8	74.7	79.3	80.6	72.5	74.9	79.0	81.1	76.
1947	82.0	82.7	83.4	86.0	81.6	83.1	82.8	86.6	83.
1948	89.1	91.9	94.1	95.1	88.8	92.4	93.1	96.0	92.
1949	97.7	102.1	100.6	99.7	97.7	102.0	98.0	102.3	100.
1950	106.7	108.4	109.5	114.5	106.6	108.2	107.0	117.5	109.
1951	111.9	111.6	114.4	113.5	111.7	111.4	111.7	116.6	112.
1952	112.3	113.1	114.6	119.1	111.9	113.1	112.0	122.2	114.
1953	123.5	124.6	125.2	129.1	122.7	125.0	122.6	132.2	125.
1954	130.2	134.5	137.1	140.2	129.0	135.4	134.5	143.3	135.
1955	138.5	140.9	142.1	147.4	137.2	142.1	139.6	150.1	142.
1956	151.4	155.9	161.5	161.3	149.7	157.4	158.6	164.1	157.
1957	164.3	163.1	160.3	151.8	162.7	164.8	157.4	154.5	159.
1958	154.0	155.5	157.0	161.8	152.6	157.0	153.7	165.4	157.
1959	161.7	169.3	171.2	175.8	160.2	171.1	166.9	180.2	169.
1960	176.3	175.7	174.0	178.9	174.3	177.7	169.1	183.8	176.
1961	179.3	176.2	181.2	184.8	177.3	178.8	175.6	189.8	180.
1962	188.0	188.8	190.9	190.6	185.7	192.5	184.3	195.6	189.
1963	190.7	193.0	198.7	198.7	187.8	197.9	191.5	203.8	195.
1964	202.6	214.1	201.7	209.8	198.8	221.4	194.4	215.2	207.
1965	216.8	219.2	223.4	233.9	212.3	227.6	213.7	239.7	223.
Total products of petroleum and coal (0.513)									
1946	73.0	73.5	72.3	78.1	64.2	74.0	78.7	80.5	74.
1947	78.9	79.3	79.5	81.2	69.3	80.1	86.2	83.7	79.
1948	84.4	88.8	92.4	93.1	74.5	89.2	100.0	96.0	89.
1949	93.7	100.4	101.2	103.3	84.3	100.4	109.6	105.8	100.
1950	103.7	111.4	114.8	116.5	94.3	110.4	123.8	119.0	111.
1951	116.9	127.6	133.1	133.9	108.3	126.3	142.9	136.5	128.
1952	132.3	132.4	144.5	150.1	125.3	128.5	154.2	152.3	140.
1953	151.8	148.9	154.8	158.2	145.9	143.6	164.4	159.9	153.
1954	165.8	164.5	162.2	166.6	161.9	158.2	172.0	167.8	165.
1955	178.2	193.8	192.1	197.7	175.3	184.1	203.3	198.6	190.
1956	209.3	214.4	232.4	233.4	207.3	204.1	245.3	234.2	222.
1957	227.5	230.0	229.2	223.3	226.5	218.3	240.9	224.2	227.
1958	223.4	220.9	233.1	241.2	223.2	210.3	244.1	242.1	229.
1959	249.6	247.9	250.2	260.0	250.1	236.6	259.8	261.1	251.
1960	265.5	267.2	259.8	261.4	266.9	256.1	268.2	262.5	263.
1961	260.6	282.6	273.8	279.2	262.8	271.1	281.3	280.8	274.
1962	287.5	282.4	287.0	306.9	290.7	270.7	294.0	308.9	291.
1963	307.7	310.9	325.8	327.6	312.0	297.1	332.5	330.5	318.
1964	327.3	329.8	327.7	335.3	333.3	314.0	333.9	339.1	330.
1965	342.1	344.8	350.6	345.7	349.4	327.5	356.3	350.2	345.
Total chemical products (1.359)									
1946	87.0	86.5	86.1	88.8	84.4	89.0	85.6	89.1	87.
1947	87.0	90.6	94.0	91.3	84.7	93.5	93.6	91.6	90.
1948	93.6	95.0	96.8	97.2	91.3	98.2	96.3	97.4	95.
1949	97.7	99.0	100.8	102.3	96.3	101.8	100.1	101.8	100.
1950	102.7	106.4	111.1	115.9	101.5	109.4	110.5	114.4	108.
1951	121.0	122.7	125.3	126.7	119.9	125.6	124.2	125.9	123.
1952	128.3	132.6	134.4	136.7	127.7	135.8	133.2	135.4	133.
1953	142.5	145.5	152.5	154.7	142.1	148.8	150.3	153.7	148.
1954	161.8	159.6	159.1	165.3	161.4	163.0	157.3	165.2	161.
1955	168.5	171.7	175.7	184.9	167.5	176.3	172.9	184.5	175.
1956	187.6	192.9	193.4	196.3	185.3	198.1	189.9	196.5	192.
1957	204.8	202.4	208.7	218.2	201.7	208.0	205.5	219.1	208.
1958	215.2	224.1	223.4	225.6	217.0	230.1	214.5	226.6	222.
1959	227.4	217.8	230.4	238.4	229.5	224.3	222.6	238.3	228.
1960	245.7	243.5	248.8	244.4	247.5	251.2	240.8	242.6	245.
1961	243.3	248.5	252.8	256.7	244.5	257.7	245.4	253.7	250.
1962	262.6	266.5	262.4	259.6	263.6	277.8	254.5	255.7	262.
1963	273.4	280.6	286.5	290.2	273.8	292.5	286.8	286.8	282.
1964	306.7	303.6	313.4	328.7	305.9	314.9	304.5	325.4	312.
1965	326.5	339.9	346.9	364.7	326.1	352.2	336.0	364.5	344.

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total miscellaneous manufacturing (1949 percentage weight 0.524)									
1946	76.2	79.2	81.7	83.4	76.0	78.3	82.1	84.3	80.2
1947	86.0	85.8	83.9	80.6	85.9	84.5	84.1	81.8	84.1
1948	80.0	78.9	80.8	85.9	79.8	77.5	80.7	87.7	81.4
1949	94.7	95.8	101.1	107.9	93.7	93.6	99.7	113.0	100.0
1950	112.3	116.0	121.2	126.1	110.9	113.9	119.5	131.7	119.0
1951	130.7	133.8	132.1	127.9	128.8	131.9	130.5	133.2	131.1
1952	131.7	136.7	142.7	153.1	129.4	134.8	141.2	159.5	141.2
1953	162.2	175.2	181.2	181.7	159.0	172.5	179.7	189.6	175.2
1954	181.2	177.2	179.0	180.0	177.4	174.0	178.0	188.3	179.4
1955	179.9	180.1	185.7	195.2	175.8	176.7	185.3	203.8	185.4
1956	197.8	204.2	207.6	213.9	192.9	200.8	207.8	222.5	206.0
1957	221.5	223.9	221.6	217.5	215.6	220.7	222.7	225.4	221.1
1958	219.0	226.3	231.3	235.2	212.8	223.1	233.2	243.4	228.1
1959	241.2	245.0	252.2	256.1	234.1	240.8	254.7	265.7	248.8
1960	261.5	264.5	265.8	271.3	253.5	259.1	268.5	282.5	265.9
1961	278.4	288.5	297.9	303.3	269.5	282.1	301.2	316.4	292.3
1962	298.2	291.6	299.9	317.3	288.5	284.9	303.9	330.7	302.0
1963	333.5	352.4	359.8	364.9	322.1	344.7	365.8	379.4	353.0
1964	376.5	383.8	391.0	393.9	363.3	375.2	398.8	408.7	386.5
1965	397.0	403.7	411.7	415.9	382.6	394.6	420.7	431.3	407.3
Total durable manufacturing (12,598)									
1946	76.9	80.5	79.0	82.7	75.9	82.8	79.4	81.3	79.9
1947	90.2	92.1	95.1	96.1	88.7	94.7	95.3	94.5	93.3
1948	96.7	97.8	97.9	101.1	95.3	100.7	98.1	99.6	98.4
1949	100.9	100.7	99.0	99.5	99.4	103.5	99.1	98.0	100.0
1950	98.9	101.7	110.1	115.5	97.7	105.0	110.1	113.3	106.5
1951	121.5	121.9	119.5	117.8	120.6	125.9	118.6	115.6	120.2
1952	120.4	123.9	126.9	132.6	120.0	128.3	124.9	129.8	125.7
1953	137.6	136.5	135.2	131.8	137.4	141.4	133.0	129.8	135.4
1954	130.9	125.8	122.9	125.3	130.7	130.0	122.4	124.1	126.8
1955	134.4	141.5	146.7	147.3	133.3	147.4	144.3	146.1	142.8
1956	149.5	157.5	160.4	163.7	147.6	164.3	158.3	161.9	158.0
1957	160.2	154.7	150.9	145.9	158.1	161.1	149.0	145.0	153.3
1958	144.7	145.8	142.9	144.2	141.9	151.6	141.0	142.5	144.2
1959	151.3	156.6	155.8	158.5	148.8	163.0	153.1	157.3	155.5
1960	161.8	155.5	152.0	152.9	159.7	161.8	148.6	151.9	155.5
1961	151.1	154.9	163.3	166.6	148.7	160.9	159.1	167.0	158.9
1962	169.3	176.2	182.7	184.5	167.1	183.4	177.9	185.8	178.5
1963	186.7	190.2	192.7	201.2	183.9	198.3	185.8	203.5	192.9
1964	209.0	211.2	217.4	215.6	206.7	220.1	206.0	217.9	212.7
1965	228.0	233.7	240.1	248.1	226.2	243.2	227.4	251.9	237.2
Total wood products (2,108)									
1946	82.1	85.1	89.4	90.4	78.3	88.0	102.0	78.9	86.8
1947	95.9	97.0	100.2	99.2	91.2	100.2	114.4	87.0	98.2
1948	101.7	101.8	99.6	99.0	96.5	105.2	112.6	87.8	100.6
1949	100.6	101.4	98.6	99.2	93.1	105.6	110.7	90.6	100.0
1950	96.9	104.4	113.3	116.9	91.3	108.4	127.3	105.7	108.2
1951	120.5	118.4	112.0	108.5	113.8	122.3	125.0	98.3	114.8
1952	113.7	113.0	115.5	127.5	109.0	115.5	127.8	115.3	116.9
1953	134.1	128.2	123.3	118.7	129.7	130.7	135.9	108.4	126.2
1954	118.6	122.3	127.0	134.0	115.7	124.0	139.7	121.7	125.3
1955	139.6	136.1	139.3	144.0	135.8	137.3	152.4	132.4	139.5
1956	144.8	141.5	145.4	142.0	141.3	143.1	157.9	131.6	143.5
1957	135.9	137.5	135.9	127.7	133.2	139.8	146.5	119.1	134.6
1958	130.1	133.1	137.5	142.7	127.4	135.6	147.3	132.8	135.8
1959	145.2	150.0	130.0	149.0	142.5	153.1	139.2	138.9	143.4
1960	148.1	143.7	142.3	139.9	145.6	146.5	151.4	130.7	143.6
1961	138.8	142.8	148.5	149.8	137.3	144.6	156.9	140.7	144.9
1962	154.2	157.4	161.5	161.9	153.5	158.8	170.2	152.2	158.6
1963	163.2	166.4	167.5	171.7	163.8	167.5	176.2	161.6	167.3
1964	175.8	171.4	174.4	175.9	177.1	171.3	182.5	166.4	174.3
1965	177.0	180.1	180.0	190.6	178.5	179.9	187.9	180.6	181.7

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 — Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total iron and steel products (1949 percentage weight 4.026)									
1946	81.0	81.3	76.8	83.7	81.9	83.2	74.2	83.8	80.0
1947	88.9	93.4	96.4	96.2	89.9	95.3	92.8	96.6	93.0
1948	98.0	100.2	102.7	105.1	99.1	102.1	99.1	105.6	101.0
1949	107.4	101.1	95.5	95.6	108.4	102.1	92.4	97.2	100.0
1950	95.7	98.3	105.6	111.1	96.4	99.4	101.9	113.0	102.0
1951	116.0	120.5	118.0	118.0	116.5	122.1	114.0	119.7	118.0
1952	120.9	119.8	119.5	122.1	121.3	121.9	116.1	123.1	120.0
1953	121.3	118.9	116.3	115.0	120.7	121.2	114.0	116.2	118.0
1954	112.2	110.7	111.5	108.6	111.0	112.9	110.1	109.4	110.0
1955	115.7	127.6	135.0	144.2	114.0	130.6	133.8	144.4	130.0
1956	148.8	151.5	155.6	158.2	146.1	155.3	154.6	158.3	150.0
1957	159.8	154.5	148.1	139.8	156.9	158.5	147.4	139.6	150.0
1958	138.0	138.2	131.9	133.3	135.3	142.2	132.0	132.1	138.0
1959	144.8	152.5	159.1	167.6	141.3	157.0	159.3	165.8	150.0
1960	161.2	150.5	144.6	149.9	156.9	154.9	145.8	148.4	150.0
1961	149.7	153.8	162.6	159.8	145.5	158.7	163.8	158.5	150.0
1962	163.8	171.5	181.1	181.4	158.4	177.0	182.6	180.1	170.0
1963	186.9	189.7	190.4	197.0	180.9	196.2	191.6	195.5	190.0
1964	206.7	212.2	216.0	226.5	199.9	219.6	216.1	225.1	210.0
1965	229.6	236.0	243.5	247.6	222.3	244.0	243.3	246.6	230.0
Total transportation equipment (2.651)									
1946	75.3	84.8	80.5	81.7	73.2	87.8	78.3	83.3	80.0
1947	94.9	91.8	97.5	97.4	91.4	95.5	94.9	99.3	90.0
1948	94.4	96.5	94.8	102.7	92.3	100.8	92.5	103.3	90.0
1949	92.8	100.9	103.5	103.8	93.6	107.7	100.4	98.2	100.0
1950	100.8	99.3	114.0	120.1	102.3	107.7	109.4	112.3	100.0
1951	132.6	127.5	128.8	131.5	137.0	138.9	121.6	124.0	130.0
1952	133.9	147.5	157.0	162.7	138.8	161.6	144.2	152.9	140.0
1953	169.7	171.9	172.9	158.9	178.3	190.6	157.0	148.6	160.0
1954	163.1	139.8	121.6	120.1	172.3	156.7	110.1	113.6	130.0
1955	139.7	157.9	157.6	133.7	149.0	183.1	133.8	124.8	140.0
1956	136.1	166.2	157.8	173.9	145.4	193.9	133.9	163.5	150.0
1957	166.9	155.8	152.8	143.9	174.9	180.9	128.7	138.8	150.0
1958	139.9	137.5	133.2	142.1	145.9	158.1	108.2	135.8	130.0
1959	140.9	139.9	137.9	122.7	151.2	162.1	109.2	120.1	130.0
1960	142.5	138.0	132.4	135.0	155.6	159.7	99.9	132.5	130.0
1961	128.0	130.9	145.6	151.3	139.1	150.2	109.7	153.5	130.0
1962	149.9	161.1	169.5	176.8	162.8	186.8	130.1	181.3	160.0
1963	179.9	182.6	186.2	211.1	190.8	211.3	138.2	220.7	190.0
1964	218.1	215.0	229.5	191.2	233.6	248.1	161.9	198.2	210.0
1965	234.3	243.3	256.2	269.8	254.7	278.7	184.3	282.3	250.0
Total non-ferrous metal products (1.601)									
1946	78.2	81.9	83.3	83.4	76.4	84.6	82.2	83.8	80.0
1947	86.6	89.2	89.0	93.6	84.7	92.1	87.8	94.1	80.0
1948	95.7	98.1	101.1	101.8	93.8	100.9	99.7	102.3	90.0
1949	99.1	100.3	100.9	99.6	98.5	102.6	98.0	101.0	100.0
1950	100.2	101.9	103.5	111.2	99.7	104.3	100.6	112.3	100.0
1951	114.1	115.9	117.1	110.5	113.9	118.2	114.1	111.2	110.0
1952	111.0	112.2	107.9	113.5	110.7	114.3	105.2	114.5	110.0
1953	122.1	119.8	120.6	117.7	121.4	121.1	118.2	119.2	120.0
1954	113.9	116.2	118.2	124.2	112.5	117.3	116.7	126.3	110.0
1955	127.8	128.9	127.6	129.4	125.7	129.6	127.1	131.4	120.0
1956	127.2	132.6	140.3	141.8	125.3	133.0	140.4	143.5	130.0
1957	140.6	130.9	125.5	136.7	139.3	131.1	125.4	137.7	130.0
1958	138.6	136.6	130.3	113.9	138.1	137.5	129.2	115.0	130.0
1959	132.7	142.7	144.7	148.1	132.4	143.7	142.6	149.5	140.0
1960	153.2	154.5	160.1	157.0	153.0	155.8	157.1	158.7	150.0
1961	154.7	154.9	153.0	162.3	154.4	156.1	150.4	164.2	150.0
1962	160.2	158.4	160.7	155.9	160.0	159.5	158.0	157.7	150.0
1963	157.1	158.3	161.7	162.0	156.9	159.6	158.7	164.0	150.0
1964	168.4	173.9	174.0	180.3	168.3	175.5	170.2	182.7	170.0
1965	182.4	183.8	188.1	192.8	182.5	185.7	183.5	195.8	180.0

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal variation				
	I	II	III	IV	I	II	III	IV	Year
Total electrical apparatus and supplies (1949 percentage weight 1.418)									
1946	63.7	66.1	68.1	73.0	65.9	67.2	64.2	73.4	67.7
1947	85.1	88.8	90.6	94.8	87.6	90.7	86.1	94.0	89.6
1948	94.3	91.3	87.2	93.1	97.0	93.6	83.4	91.9	91.5
1949	100.9	99.2	98.3	101.6	99.8	98.9	96.0	105.3	100.0
1950	103.8	108.6	116.7	120.3	102.7	108.5	114.0	124.9	112.5
1951	124.5	126.0	120.1	113.5	123.3	125.3	117.0	117.4	120.8
1952	113.6	120.6	129.4	133.6	112.8	118.7	125.4	141.0	124.5
1953	145.1	150.6	150.2	157.2	143.8	145.9	145.7	168.4	150.9
1954	155.1	146.7	142.5	157.2	153.4	141.3	140.0	172.2	151.7
1955	165.0	160.8	177.3	189.8	161.8	152.8	175.4	209.3	174.9
1956	186.8	190.9	208.2	201.8	183.3	183.1	206.7	217.1	197.5
1957	193.1	185.2	178.6	177.9	189.2	177.3	177.8	189.7	183.5
1958	176.6	180.4	181.9	179.9	172.7	172.9	181.5	191.0	179.5
1959	184.1	190.1	194.4	194.6	180.2	183.6	193.9	204.7	190.6
1960	200.5	194.9	186.5	180.1	197.0	189.2	186.3	189.1	190.4
1961	182.2	188.5	203.0	216.2	179.3	183.3	202.0	227.1	197.9
1962	227.4	233.7	238.9	245.7	224.1	226.6	236.4	258.7	236.5
1963	246.8	251.4	256.9	263.5	243.6	244.9	253.5	277.7	254.9
1964	265.9	273.3	283.9	292.1	262.8	266.8	278.9	308.0	279.1
1965	307.3	318.6	321.3	331.1	303.8	311.0	313.7	348.2	319.2
Total non-metallic mineral products (0.794)									
1946	69.1	73.1	68.9	76.0	64.4	74.9	70.9	77.7	72.0
1947	83.0	84.4	87.7	89.2	77.4	86.3	90.9	90.5	86.3
1948	90.6	90.8	92.9	94.6	83.5	92.7	97.0	95.9	92.2
1949	99.6	98.8	100.3	101.6	90.6	101.4	105.9	102.1	100.0
1950	102.1	107.9	113.6	118.9	93.3	111.0	120.1	119.4	111.0
1951	125.0	125.3	120.4	118.4	113.9	128.5	126.8	119.2	122.1
1952	121.7	124.9	128.6	135.8	110.7	128.6	136.8	135.9	128.0
1953	141.3	138.5	139.5	144.8	127.7	141.6	149.0	144.7	140.8
1954	142.6	145.9	147.6	149.7	127.7	149.5	160.4	149.9	146.8
1955	155.8	162.3	173.0	177.0	135.6	166.8	190.3	178.4	167.8
1956	189.2	191.6	187.9	190.8	160.4	196.7	209.6	194.0	190.2
1957	185.0	191.4	201.3	193.5	155.6	197.0	227.5	196.0	194.0
1958	188.3	202.9	201.2	208.5	153.7	210.1	230.1	211.7	201.4
1959	213.7	218.3	221.1	213.5	172.8	224.2	253.3	218.6	217.2
1960	213.9	201.3	203.5	205.4	171.5	208.0	232.9	210.8	205.8
1961	205.1	213.1	215.1	216.9	161.4	220.6	246.7	224.2	213.2
1962	217.4	233.4	235.0	235.4	173.8	240.7	270.3	245.1	232.5
1963	223.8	235.7	240.4	235.1	177.8	241.8	274.6	245.8	235.0
1964	259.5	263.2	266.3	282.3	206.5	266.1	305.6	294.6	268.2
1965	284.2	281.5	288.9	293.5	226.2	284.0	329.1	308.1	286.9
Total electric power and gas utilities (1.646)									
1946	78.4	78.1	78.0	83.4	80.8	78.6	74.6	83.6	79.4
1947	81.7	88.0	97.6	92.2	84.9	88.6	93.7	92.2	89.8
1948	93.1	94.7	95.3	96.1	97.1	95.2	90.5	96.3	94.8
1949	96.5	100.0	101.7	102.2	101.8	99.9	94.4	103.8	100.0
1950	106.2	110.6	116.0	120.4	112.6	110.2	107.6	122.5	113.2
1951	123.8	128.1	130.4	135.7	131.5	127.4	120.5	138.3	129.4
1952	138.1	139.6	142.9	142.6	147.2	138.2	131.5	145.7	140.7
1953	146.8	147.2	147.4	150.0	157.1	145.2	134.9	154.2	147.8
1954	153.3	159.0	164.3	170.3	164.6	156.3	149.7	175.8	161.6
1955	177.0	178.8	184.8	191.2	189.6	175.1	168.8	198.4	183.0
1956	193.0	202.4	210.3	212.9	207.6	197.6	191.5	221.1	204.4
1957	214.7	215.7	221.7	228.0	231.9	210.4	200.7	236.8	219.9
1958	235.3	236.2	241.3	251.7	255.9	230.0	217.4	261.8	241.3
1959	261.8	269.9	276.1	289.1	288.3	262.5	245.7	299.2	273.9
1960	294.0	295.8	302.2	302.7	325.3	287.8	268.4	312.4	298.5
1961	304.6	316.0	321.8	326.1	339.7	306.8	283.0	335.6	316.3
1962	334.2	338.4	343.1	339.0	374.7	328.8	299.3	349.1	338.0
1963	351.0	360.8	373.6	386.2	395.9	349.3	324.7	400.3	367.5
1964	390.3	401.2	413.4	422.4	439.5	387.6	357.0	438.7	405.7
1965	434.5	436.5	448.8	473.6	491.3	421.9	386.7	493.3	448.3

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total construction (1949 percentage weight 6.379)									
1946	64.2	67.3	69.5	71.9	45.1	70.6	80.6	77.3	98.
1947	74.0	76.7	80.3	84.3	53.2	87.1	93.2	90.3	79.
1948	81.2	86.8	91.7	94.1	60.9	89.2	106.2	100.5	39.
1949	99.9	98.7	99.8	101.6	75.0	101.4	115.4	106.2	100.
1950	104.4	105.9	108.4	107.6	78.2	108.5	125.9	114.2	106.
1951	114.6	112.0	107.9	109.4	85.2	114.3	126.4	126.5	110.
1952	111.2	123.1	124.3	127.6	81.0	126.0	149.6	156.0	123.
1953	125.6	127.6	132.6	132.1	89.9	130.3	159.4	140.8	130.
1954	129.7	126.5	129.7	132.9	90.7	129.1	157.9	141.5	129.
1955	135.1	137.3	142.0	144.0	92.7	140.2	173.2	152.1	138.
1956	154.9	166.0	168.3	169.5	105.7	170.8	207.0	179.3	165.
1957	171.5	174.8	175.1	174.8	116.4	180.2	216.8	155.5	174.
1958	173.8	182.0	179.3	174.5	114.8	189.0	222.3	186.5	178.
1959	169.7	173.0	168.3	170.4	109.2	179.3	211.4	181.9	170.
1960	165.0	160.0	161.6	161.7	106.2	165.3	206.6	173.9	163.
1961	158.5	165.5	173.2	171.7	98.3	169.1	221.0	183.3	168.
1962	172.1	173.8	169.8	170.4	109.0	175.8	215.5	183.5	170.
1963	172.0	174.4	169.8	180.6	109.5	176.7	214.2	194.1	173.
1964	195.6	181.7	183.5	199.1	127.5	188.1	230.2	215.6	190.
1965	208.9	207.6	211.9	219.6	138.1	203.9	250.8	234.1	206.
Total transportation, storage and communication 8.363									
1946	93.5	86.0	89.8	92.6	83.4	84.1	95.4	96.9	90.
1947	95.3	100.5	97.3	99.3	84.9	98.4	102.9	105.8	98.
1948	99.2	96.0	100.2	102.4	88.2	95.4	106.6	109.0	99.
1949	101.7	99.7	99.4	100.0	90.1	99.1	105.1	105.8	100.
1950	100.0	101.5	101.9	108.7	87.8	102.6	106.1	114.8	103.
1951	113.2	113.9	113.3	114.4	96.1	115.5	119.9	120.7	112.
1952	116.3	119.7	118.6	121.0	102.9	122.4	125.6	126.7	119.
1953	118.9	124.5	120.6	117.9	104.7	128.0	128.4	122.8	121.
1954	115.8	113.2	119.5	123.0	101.1	116.1	127.4	127.1	117.
1955	126.0	133.2	135.7	136.1	112.6	137.3	145.2	139.4	138.
1956	142.6	148.6	151.0	152.4	126.7	152.7	163.5	153.7	149.
1957	155.9	153.8	153.9	149.9	133.1	154.6	161.7	148.9	149.
1958	146.1	146.4	142.1	150.7	129.1	150.1	154.6	152.9	146.
1959	156.0	155.4	163.9	165.5	139.9	159.1	175.4	167.8	160.
1960	164.4	164.1	163.7	164.2	147.2	167.9	174.4	165.9	163.
1961	168.2	173.0	174.2	173.8	150.7	176.7	185.1	175.7	172.
1962	179.8	177.2	179.8	181.5	161.7	181.4	190.4	183.1	178.
1963	186.3	187.6	190.5	201.1	170.6	192.4	203.2	201.9	191.
1964	204.6	208.9	210.7	213.8	196.4	213.0	225.6	215.3	205.
1965	217.0	220.6	226.8	231.9	198.7	226.0	240.2	234.2	224.
Transportation 6.528									
1946	96.8	88.3	92.5	95.3	84.7	86.9	100.0	101.2	97.
1947	98.3	104.4	100.6	102.3	85.4	104.2	106.0	108.5	101.
1948	102.3	98.2	102.9	104.8	88.6	98.5	111.2	111.2	101.
1949	102.8	100.4	98.3	99.6	88.7	100.6	105.9	104.9	100.
1950	99.1	100.4	100.3	107.4	84.0	102.6	108.6	113.1	101.
1951	111.4	112.9	111.3	112.2	91.8	115.8	120.4	117.6	111.
1952	113.9	116.5	115.6	117.9	98.2	120.7	125.2	122.3	114.
1953	115.0	121.9	116.5	112.5	98.4	126.9	127.2	116.0	111.
1954	109.1	104.5	111.8	116.8	92.0	108.5	122.6	119.4	111.
1955	120.0	123.1	131.4	130.3	101.9	133.4	144.3	132.2	121.
1956	137.1	142.3	144.6	146.4	118.2	147.6	161.4	145.6	141.
1957	149.6	146.7	146.5	140.7	121.8	147.8	157.2	137.3	141.
1958	135.3	134.7	129.7	139.6	114.7	139.5	146.3	140.4	131.
1959	145.8	145.4	154.0	156.2	126.3	150.4	169.4	157.0	131.
1960	153.3	152.9	151.3	151.1	132.1	158.0	165.6	151.2	131.
1961	156.0	161.0	162.4	160.6	134.7	166.1	177.3	160.7	131.
1962	167.8	165.4	167.3	166.8	145.4	171.5	182.0	166.5	131.
1963	175.7	174.1	176.2	188.8	153.6	180.9	193.8	186.6	131.
1964	191.9	198.8	197.1	201.0	169.6	202.1	214.3	195.6	131.
1965	203.9	207.9	214.4	219.0	181.4	215.8	233.3	218.4	131.

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949=100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Storage (1949 percentage weight 0.230)									
946	96.2	77.5	86.1	91.8	70.8	67.8	90.3	122.5	87.8
947	89.5	102.0	84.7	93.6	67.0	88.7	88.7	126.3	92.7
948	85.5	67.8	88.8	94.6	65.0	60.3	99.6	124.9	87.4
949	97.9	91.7	105.1	99.9	73.6	81.1	115.7	129.6	100.0
950	92.0	92.8	92.2	121.3	69.9	85.8	101.3	151.8	102.2
951	121.2	132.2	125.7	142.7	92.7	125.8	133.0	174.4	131.5
952	162.3	192.0	177.2	171.3	124.1	189.8	186.7	203.2	176.0
953	183.1	181.8	180.8	177.6	142.3	183.7	190.6	203.2	180.0
954	185.7	172.6	193.4	192.0	146.9	179.3	203.4	213.2	185.7
955	182.6	185.7	178.3	180.9	147.5	196.0	189.8	195.9	182.3
956	203.5	222.0	228.1	218.4	166.0	234.9	240.2	232.4	218.4
957	227.6	213.3	211.7	220.0	187.3	227.1	223.1	231.8	217.3
958	217.0	229.1	204.8	217.6	179.2	246.1	217.8	227.8	217.7
959	225.5	208.8	226.2	215.3	185.8	223.3	240.9	224.6	218.6
960	208.6	206.6	218.2	214.2	171.0	223.0	231.1	223.4	212.1
961	222.0	233.8	215.5	207.9	179.8	254.1	229.8	217.7	220.3
962	202.8	161.0	180.1	231.8	164.5	173.1	192.0	241.8	192.9
963	217.2	202.8	230.7	253.6	181.4	212.6	240.8	273.4	227.1
964	233.7	259.4	252.7	215.4	196.8	257.6	261.9	242.0	239.6
965	208.8	224.2	241.1	241.1	174.0	222.1	254.4	271.2	230.4
Total trade (14.562)									
946	88.3	88.1	90.1	90.4	78.1	89.4	90.8	99.2	89.4
947	97.6	96.7	97.8	97.0	85.6	98.6	99.0	105.7	97.3
948	94.8	94.7	95.8	98.4	82.7	97.0	97.3	107.1	96.0
949	96.9	101.4	100.3	101.1	83.9	104.3	102.2	109.7	100.0
950	101.9	106.3	111.3	108.9	88.0	108.6	113.5	117.5	106.9
951	113.2	108.4	106.0	112.5	97.8	108.3	113.9	113.9	108.1
952	107.2	113.5	116.4	119.9	94.2	118.1	117.4	128.9	114.6
953	120.6	121.0	121.8	122.1	105.4	126.1	122.7	131.0	121.3
954	119.3	118.1	120.9	123.3	104.5	123.3	121.2	133.6	120.6
955	125.7	130.7	134.5	135.7	110.3	138.8	133.7	145.2	132.0
956	137.4	143.9	147.1	147.0	121.6	152.6	145.9	156.6	144.2
957	145.5	143.9	145.4	143.3	130.0	151.2	143.4	153.8	144.6
958	145.8	145.3	145.5	151.9	130.5	151.7	143.6	163.7	147.4
959	156.5	156.0	156.7	155.4	141.2	162.8	153.5	167.9	156.4
960	157.2	156.2	155.2	157.2	142.0	163.0	151.7	169.8	156.6
961	154.9	156.8	160.1	161.1	139.2	162.9	156.4	174.4	158.2
962	164.2	166.7	166.7	168.4	148.4	173.7	162.9	182.3	166.8
963	171.1	171.4	177.3	177.3	156.4	178.0	165.9	192.4	173.2
964	184.7	181.9	183.8	185.6	170.0	188.4	175.9	200.9	183.8
965	191.1	195.5	199.4	203.6	177.8	203.0	189.8	220.0	197.6
Wholesale trade (4.995)									
946	92.3	89.2	88.3	89.4	89.7	90.2	89.2	89.7	89.7
947	96.1	96.3	97.1	97.2	92.4	97.7	98.7	98.3	96.8
948	94.8	96.7	98.0	99.6	89.9	98.4	100.2	101.0	97.4
949	97.3	100.5	100.5	101.4	91.3	102.6	103.3	102.9	100.0
950	96.6	100.3	108.8	106.5	90.0	102.6	112.2	107.7	103.1
951	113.4	111.6	109.9	110.3	105.1	114.6	113.6	111.5	111.2
952	112.5	115.6	119.0	121.3	104.6	119.1	122.9	122.4	117.2
953	121.0	121.6	124.0	122.2	112.5	126.2	127.4	122.9	122.3
954	118.5	113.6	119.2	124.3	110.3	119.0	121.7	124.2	118.8
955	123.3	126.3	134.2	133.6	115.3	138.1	133.2	130.8	129.3
956	134.5	145.2	149.0	149.8	127.6	159.2	147.6	144.5	144.7
957	147.9	144.0	145.3	142.4	142.2	155.9	142.7	138.6	144.9
958	144.2	145.1	146.1	154.7	139.5	156.3	143.1	151.6	147.6
959	161.6	162.0	162.8	160.8	157.7	173.4	158.0	158.5	161.9
960	166.3	160.0	158.3	161.4	162.8	171.3	153.2	159.8	161.8
961	154.8	161.3	167.7	168.5	150.2	171.7	161.8	167.1	162.7
962	171.3	175.7	176.8	175.5	167.0	187.3	170.7	174.5	174.9
963	182.0	180.6	177.9	185.0	181.0	190.4	168.5	186.4	181.6
964	199.9	195.5	195.4	197.7	202.3	206.2	182.5	197.8	197.2
965	211.2	213.6	218.2	224.7	217.1	226.7	201.1	223.5	217.1

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Retail trade (1949 percentage weight 9.567)									
1946	86.3	87.6	91.0	91.0	72.0	88.9	91.7	104.1	89.
1947	98.4	97.0	98.2	96.9	82.0	99.1	99.2	109.6	97.
1948	94.9	93.7	94.6	97.8	78.9	96.3	95.8	110.2	95.
1949	96.7	101.9	100.2	100.9	80.1	105.1	101.6	113.2	100.
1950	104.7	109.4	112.6	110.2	87.0	111.8	114.2	122.7	108.
1951	113.0	106.8	103.9	103.7	94.0	111.4	105.5	115.1	106.
1952	104.5	112.4	115.1	119.1	88.7	117.5	114.5	132.3	113.
1953	120.3	120.6	120.7	122.1	101.7	126.1	120.2	135.3	120.
1954	119.8	120.5	121.7	122.8	101.5	125.6	120.9	138.5	121.
1955	126.9	133.1	134.6	136.8	107.7	139.2	133.9	152.8	133.
1956	139.0	143.3	146.2	145.6	118.5	149.1	145.0	162.9	143.
1957	144.3	143.9	145.5	143.7	123.6	148.7	143.7	161.7	144.
1958	146.6	145.4	145.2	150.4	125.8	149.3	143.9	170.0	147.
1959	153.8	152.8	153.6	152.6	132.6	157.2	151.2	172.8	153.
1960	152.5	154.3	153.5	155.0	131.1	158.7	150.9	175.0	153.
1961	155.0	154.5	156.2	157.3	133.4	158.3	153.6	178.2	155.
1962	160.4	162.0	161.5	164.7	138.7	166.5	158.9	186.4	162.
1963	165.4	166.7	168.2	173.3	143.6	171.4	164.5	195.6	168.
1964	176.7	174.8	177.8	179.2	153.1	179.1	172.5	202.5	176.
1965	180.6	186.0	189.6	192.6	157.2	190.6	183.8	218.2	187.
Total finance, insurance and real estate (9.127)									
1946	79.7	81.0	82.4	83.4	80.0	81.3	82.5	82.7	81.
1947	85.7	86.9	88.3	89.8	85.9	87.2	88.3	89.3	87.
1948	91.1	92.3	94.3	96.2	91.3	92.4	94.3	95.7	93.
1949	97.2	100.3	100.6	101.9	97.3	100.4	100.7	101.5	100.
1950	103.5	105.0	106.1	107.8	103.6	105.1	106.3	107.5	105.
1951	110.3	112.5	114.7	116.0	110.4	112.4	115.1	115.7	113.
1952	116.6	117.7	118.8	120.4	116.7	117.6	119.3	120.1	118.
1953	121.7	122.0	123.8	125.3	121.6	121.8	124.3	125.0	123.
1954	126.8	129.2	130.7	132.6	126.5	129.2	131.4	132.4	129.
1955	135.4	136.2	136.8	137.8	134.8	136.4	137.5	137.5	136.
1956	139.9	140.2	141.3	144.7	138.8	140.5	142.5	144.3	141.
1957	147.1	151.1	153.0	152.5	145.4	151.6	154.8	152.0	150.
1958	153.1	154.9	157.3	159.3	150.9	155.5	159.7	158.5	156.
1959	161.2	162.8	164.2	165.8	158.6	163.6	167.0	164.8	163.
1960	167.2	169.0	170.4	171.3	164.4	169.9	173.5	170.2	169.
1961	173.1	174.5	176.3	178.0	170.2	175.5	179.5	176.9	175.
1962	179.7	182.8	183.3	185.5	176.7	183.8	186.7	184.4	182.
1963	190.1	192.9	195.9	198.9	186.5	194.4	199.3	197.7	194.
1964	200.6	201.6	203.7	206.4	196.9	202.8	206.9	205.2	203.
1965	208.1	211.4	213.4	214.3	204.4	212.5	216.7	214.0	211.
Total public administration and defence (4.666)									
1946	177.9	123.8	100.8	94.8	175.4	124.3	105.0	93.9	124.
1947	93.5	92.8	92.4	91.4	88.5	94.2	96.9	90.6	92.
1948	91.3	92.4	91.9	93.4	86.0	93.9	96.6	92.6	92.
1949	93.2	99.7	102.9	103.3	88.3	101.2	108.1	102.5	100.
1950	104.0	103.9	107.6	111.3	98.6	104.9	112.7	110.4	106.
1951	114.2	116.5	120.1	126.0	108.8	117.0	125.2	124.9	119.
1952	134.5	135.2	137.7	138.7	129.0	135.4	143.2	137.4	136.
1953	141.3	144.3	144.8	147.1	136.0	144.5	150.4	145.7	144.
1954	148.6	149.5	152.5	155.1	143.6	149.5	158.4	153.8	151.
1955	155.1	155.6	157.5	157.0	150.3	155.6	163.9	155.5	156.
1956	158.4	158.2	159.0	159.9	153.6	158.2	165.2	158.3	156.
1957	159.0	162.2	167.1	166.0	154.5	162.5	173.6	164.3	163.
1958	167.9	171.1	171.8	174.1	163.1	171.5	178.1	172.4	171.
1959	176.5	175.3	173.8	171.4	171.4	175.7	180.7	172.3	175.
1960	174.4	177.1	178.3	181.1	169.5	177.4	184.3	179.9	177.
1961	182.5	182.6	184.7	185.9	177.4	182.5	190.8	185.0	181.
1962	186.7	189.9	189.3	185.7	181.5	189.8	195.5	184.9	187.
1963	186.6	187.7	189.2	189.2	181.0	188.0	196.0	187.5	188.
1964	190.3	190.0	189.3	189.5	183.8	190.3	197.1	187.9	188.
1965	190.4	189.9	190.6	191.8	183.7	190.6	198.6	189.8	190.

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total community, recreation, business and personal service (1949 percentage weight 10.202)									
1946	88.3	89.4	89.1	90.4	86.7	89.5	91.1	90.0	89.3
1947	92.0	92.1	93.5	94.1	90.1	92.2	95.8	93.7	92.9
1948	95.0	95.5	96.0	96.8	92.8	95.6	98.4	96.6	95.9
1949	98.3	99.7	100.5	101.4	95.7	99.8	103.2	101.3	100.0
1950	101.4	102.4	103.7	105.3	98.5	102.7	106.6	105.2	103.2
1951	106.3	107.7	108.9	108.4	103.2	108.1	111.9	108.3	107.9
1952	110.8	111.5	112.1	113.8	107.4	111.9	115.0	113.9	112.1
1953	115.3	115.4	116.0	116.3	111.6	116.1	118.8	116.5	115.7
1954	115.6	117.4	117.5	118.9	112.0	118.2	120.1	119.1	117.4
1955	118.5	119.5	120.2	121.3	114.8	120.4	122.9	121.3	119.9
1956	123.6	125.9	128.4	129.9	119.9	126.9	131.4	129.8	127.0
1957	130.2	130.1	130.9	131.2	126.7	130.9	133.9	130.9	130.6
1958	134.0	134.4	135.1	137.1	130.5	135.1	138.1	136.8	135.1
1959	138.7	140.7	142.3	143.7	135.0	141.4	145.6	143.4	141.3
1960	145.7	146.9	147.9	148.8	141.8	147.6	151.4	148.7	147.4
1961	149.0	150.8	153.8	154.9	145.0	151.4	157.4	154.9	152.2
1962	156.0	156.8	159.3	160.6	151.8	157.4	163.2	160.6	158.2
1963	162.7	164.4	165.6	167.0	158.3	164.4	170.0	167.1	165.0
1964	168.4	170.2	171.9	173.3	164.1	170.3	176.3	173.5	171.0
1965	175.0	178.0	180.0	182.1	170.5	178.1	184.5	182.1	178.8
Total commercial industries (91.729)									
1946	87.7	88.6	88.7	87.9	75.5	85.4	105.0	86.4	88.1
1947	91.8	93.8	94.2	95.3	81.2	92.1	106.9	95.7	94.0
1948	95.0	95.4	97.4	99.1	83.2	93.3	115.2	98.1	97.4
1949	98.3	100.0	100.0	101.4	86.5	98.1	114.8	100.6	100.0
1950	103.2	104.2	107.7	110.8	89.5	101.5	126.6	109.0	106.7
1951	114.9	116.6	114.4	113.9	99.2	112.1	137.0	111.3	114.9
1952	119.4	123.1	123.6	126.4	101.5	116.5	151.3	122.6	123.0
1953	126.3	127.4	128.3	126.5	108.5	122.5	153.5	123.4	127.0
1954	122.8	120.8	123.1	126.1	108.4	120.0	138.7	126.7	123.4
1955	131.7	135.1	137.8	140.4	114.9	132.8	161.4	138.2	136.8
1956	145.3	149.6	150.6	153.0	125.6	145.9	178.0	149.8	149.8
1957	151.3	150.8	150.6	147.4	132.9	149.6	169.0	145.7	149.3
1958	148.7	150.4	149.9	153.5	131.0	149.4	170.6	152.0	150.8
1959	156.9	158.9	159.8	161.2	139.2	157.6	181.0	159.5	159.3
1960	163.4	161.0	160.7	161.4	145.2	159.0	183.5	158.9	161.7
1961	159.2	163.2	167.7	168.3	143.5	163.2	183.0	168.0	164.4
1962	173.2	174.3	177.3	177.9	154.7	173.1	200.5	174.0	175.6
1963	181.7	184.3	185.7	192.0	162.4	181.2	212.3	188.9	186.2
1964	195.9	197.0	198.2	201.9	176.9	195.4	219.4	200.9	198.2
1965	207.8	210.0	214.5	218.8	188.2	206.9	237.2	217.5	212.4
Total commercial industries less agriculture (81.015)									
1946	84.2	84.6	85.1	87.1	78.7	84.5	87.1	90.7	85.3
1947	90.7	92.3	93.7	94.4	84.7	92.6	95.7	98.3	92.8
1948	94.8	95.0	96.6	98.5	88.2	95.5	99.2	102.4	96.3
1949	98.6	99.8	100.2	101.2	91.5	100.6	103.2	104.8	100.0
1950	101.8	104.8	108.7	111.3	94.2	105.7	112.0	115.0	106.7
1951	114.9	115.6	113.7	113.1	106.1	116.3	117.2	116.9	114.1
1952	115.7	118.5	120.1	123.4	107.3	119.9	123.8	127.2	119.5
1953	124.7	125.9	126.2	125.4	115.9	127.7	130.2	129.2	125.8
1954	124.7	123.7	126.0	128.6	115.4	125.3	130.4	132.7	126.0
1955	132.1	135.9	139.2	141.5	122.2	138.4	143.8	145.4	137.5
1956	145.5	150.2	152.8	154.4	134.2	153.0	158.4	158.0	150.9
1957	155.0	154.9	154.4	151.4	142.6	157.1	159.9	154.5	153.5
1958	151.9	153.8	153.6	156.8	140.1	156.3	159.6	160.6	154.2
1959	160.6	163.0	164.6	166.6	148.9	165.8	170.1	170.7	163.9
1960	167.7	165.3	165.4	165.8	155.7	168.1	170.7	170.0	166.1
1961	165.6	169.1	173.5	175.1	153.5	171.6	178.6	179.5	170.8
1962	178.0	180.2	182.2	183.3	165.6	183.1	187.4	187.9	181.0
1963	186.9	189.2	191.0	192.5	175.0	192.5	195.3	202.6	191.3
1964	203.7	204.0	206.4	209.7	191.2	207.2	209.6	215.3	205.8
1965	215.0	218.3	222.9	227.9	203.0	221.0	224.8	234.0	220.7

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1946-65 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total non-commercial industries ¹ (1949 percentage weight 8.271)									
1946	137.9	107.6	95.1	92.5	136.4	107.8	97.6	92.0	108.4
1947	91.3	91.2	91.5	91.6	88.4	91.9	94.1	91.1	91.4
1948	92.2	93.2	93.3	94.5	89.1	94.0	96.1	94.0	93.3
1949	95.3	99.6	101.9	102.6	92.5	100.5	105.0	102.1	100.0
1950	102.8	103.0	105.5	108.1	99.7	103.5	108.5	107.5	104.8
1951	110.4	112.4	115.0	118.5	107.3	112.8	118.0	117.9	114.0
1952	123.8	124.5	126.4	127.7	120.7	124.7	129.5	127.0	125.5
1953	129.8	131.9	132.5	134.6	126.7	132.1	135.7	133.9	132.1
1954	136.6	137.7	139.8	141.7	133.6	137.8	143.2	141.0	138.9
1955	141.7	142.3	144.0	144.3	138.7	142.4	147.8	143.5	143.1
1956	145.4	146.0	147.2	148.5	142.5	146.0	150.9	147.6	146.8
1957	149.1	151.1	154.3	154.4	146.3	151.3	158.2	153.5	152.8
1958	156.0	158.5	159.9	162.2	153.1	158.9	163.6	161.2	159.2
1959	164.4	164.9	165.5	166.1	161.4	165.2	169.1	165.2	165.2
1960	167.6	170.1	171.8	174.7	164.6	170.4	175.3	174.0	171.1
1961	176.9	178.5	181.0	182.5	173.7	178.6	184.6	181.9	179.7
1962	184.2	186.9	187.8	186.9	181.0	187.0	191.5	186.4	186.4
1963	187.5	189.4	191.2	192.3	182.8	188.3	193.9	189.7	188.7
1964	193.9	194.9	195.5	196.1	189.8	195.2	200.2	195.1	195.5
1965	197.1	197.7	199.1	200.5	192.9	198.3	204.0	199.2	198.6
Total goods-producing industries (53.080)									
1946	87.7	90.2	89.1	86.8	71.3	84.5	115.7	81.2	88.8
1947	90.5	93.2	93.7	95.1	77.5	89.8	113.9	92.5	93.3
1948	95.0	95.9	98.1	99.4	80.1	91.7	126.9	94.4	98.8
1949	98.3	99.6	99.8	101.6	83.8	95.6	123.5	97.1	100.0
1950	104.3	104.1	108.2	112.7	86.8	98.6	138.8	106.4	107.7
1951	117.6	121.0	117.5	116.3	97.8	111.8	154.3	108.8	118.8
1952	124.7	128.6	128.6	131.7	100.1	115.5	174.5	121.6	127.7
1953	131.2	132.0	133.6	130.7	107.6	121.6	175.1	122.1	131.1
1954	125.5	122.1	124.1	127.5	107.6	118.6	149.2	125.0	125.5
1955	135.2	138.8	141.8	145.7	113.8	131.7	180.8	138.8	141.1
1956	151.9	156.1	159.3	159.3	125.5	146.6	201.1	151.0	156.6
1957	156.0	155.2	154.0	149.9	132.9	150.7	184.3	144.4	153.3
1958	151.5	154.3	153.6	156.1	128.8	149.9	187.0	150.0	153.3
1959	159.3	162.5	162.3	164.4	136.7	157.6	196.8	157.8	162.2
1960	167.3	163.1	162.7	163.2	144.1	157.0	200.3	155.4	164.4
1961	159.2	164.5	170.5	170.9	140.3	162.0	195.0	166.8	166.6
1962	177.4	178.4	182.7	182.8	153.8	173.5	221.0	172.0	180.0
1963	186.2	190.2	191.4	198.5	160.9	181.8	235.3	188.9	191.1
1964	202.3	204.0	204.7	209.5	177.8	198.5	240.3	203.4	205.5
1965	217.1	218.2	223.2	228.2	191.1	209.6	261.5	221.2	220.0
Total goods-producing industries less agriculture (42.366)									
1946	81.1	83.0	82.3	85.0	76.4	82.6	84.4	87.8	82.2
1947	88.1	90.1	92.5	93.4	83.1	90.1	94.4	96.7	91.1
1948	94.4	95.4	96.7	98.4	88.8	95.4	99.3	101.7	96.6
1949	99.0	99.2	100.2	101.3	92.7	99.7	103.5	104.1	100.0
1950	101.7	105.2	110.3	114.1	95.2	105.8	113.9	117.2	108.8
1951	118.3	120.2	117.0	115.4	110.5	119.8	120.6	118.9	117.7
1952	119.0	121.2	123.1	127.3	110.8	121.7	127.7	130.3	122.2
1953	129.3	130.4	131.1	129.7	121.4	131.2	136.0	133.0	130.0
1954	129.8	127.9	129.8	132.7	120.8	128.5	135.9	136.2	130.0
1955	137.0	141.2	145.5	149.0	127.4	142.0	152.0	152.7	143.3
1956	153.9	159.0	161.6	163.6	141.9	160.2	169.5	167.1	159.9
1957	164.2	164.1	162.1	158.2	151.4	165.3	170.7	160.9	162.2
1958	158.3	161.6	161.6	163.0	145.5	163.3	170.0	166.1	161.1
1959	167.0	171.2	172.0	175.6	154.5	173.3	179.9	178.8	171.1
1960	176.6	172.0	172.1	172.1	163.7	173.9	180.0	175.7	173.3
1961	171.6	176.1	182.3	184.6	158.7	177.8	189.7	188.5	178.8
1962	187.6	190.8	193.6	194.2	174.4	192.6	201.0	198.1	191.1
1963	197.4	201.0	203.0	210.7	184.6	203.5	208.7	214.9	202.2
1964	218.8	219.0	222.0	226.3	205.3	221.9	226.7	231.5	221.1
1965	233.2	236.0	241.4	248.1	220.2	237.2	244.0	253.7	238.8

¹ Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c., and domestic service.

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production) by Quarters, 1946-65 - Concluded
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total service-producing industries ² (1949 percentage weight 46.920)									
1946	96.5	90.2	89.4	89.9	91.0	90.4	91.5	93.4	91.6
1947	93.3	94.1	94.4	94.8	86.8	94.7	96.7	98.4	94.2
1948	94.6	94.4	95.9	97.9	87.9	95.3	98.6	101.5	95.8
1949	97.8	100.3	100.5	101.3	90.6	101.3	103.2	104.8	100.0
1950	102.0	104.1	106.6	108.1	94.3	105.2	109.6	111.7	105.2
1951	111.0	110.9	111.0	112.0	102.2	112.5	114.2	115.3	111.1
1952	114.2	117.1	118.5	120.7	106.4	119.1	121.3	124.4	117.8
1953	121.4	122.9	123.0	123.2	112.8	125.3	125.9	126.7	122.7
1954	122.3	122.4	125.0	127.3	113.7	124.7	127.8	131.1	124.3
1955	129.3	132.3	134.3	135.2	120.5	135.7	137.1	138.5	133.0
1956	137.9	141.5	143.8	145.1	128.7	145.2	147.2	148.0	142.3
1957	145.7	145.9	147.4	145.9	135.2	148.6	149.8	148.6	145.6
1958	146.9	147.6	147.5	152.1	137.5	150.5	150.9	155.8	148.7
1959	155.4	155.8	158.1	158.5	146.0	158.9	161.0	162.4	157.1
1960	159.7	160.2	160.4	161.7	150.0	163.3	163.2	165.6	160.5
1961	162.3	164.4	166.8	167.8	152.3	167.3	169.6	171.9	165.3
1962	170.4	171.9	172.9	174.1	160.3	175.1	175.7	178.4	172.4
1963	177.6	178.6	180.1	184.7	167.6	181.8	182.9	189.1	180.4
1964	188.3	188.8	190.4	192.4	178.2	191.8	192.5	197.1	189.9
1965	195.5	198.7	201.9	204.9	185.7	202.3	203.7	210.1	200.5
Index of Industrial Production (32.231)									
1946	82.5	83.8	83.3	85.9	81.0	84.6	83.3	86.3	83.8
1947	89.4	90.9	93.1	93.5	88.0	91.9	92.7	93.7	91.5
1948	94.4	96.0	96.7	98.6	92.8	97.2	96.7	98.9	96.4
1949	99.1	99.4	100.3	101.0	97.1	100.6	100.6	101.7	100.0
1950	101.8	104.3	109.2	114.2	99.8	105.6	109.4	114.5	107.3
1951	117.4	119.1	117.3	115.6	115.4	120.6	117.4	116.0	117.4
1952	117.9	120.6	123.5	127.8	116.0	122.2	123.2	128.0	122.4
1953	131.1	132.0	131.8	129.9	129.6	133.7	131.6	130.3	131.3
1954	131.1	129.4	129.9	132.8	129.3	130.8	130.8	133.6	131.1
1955	138.4	143.1	147.8	151.5	136.2	145.0	148.4	152.5	145.5
1956	154.5	159.7	162.6	165.4	151.5	161.8	163.3	166.2	160.7
1957	165.5	164.2	163.3	159.9	162.5	166.1	164.4	160.3	163.3
1958	159.9	162.4	162.7	165.4	156.8	163.6	163.0	166.2	162.4
1959	171.3	175.6	178.0	180.9	168.8	177.7	177.9	181.8	176.5
1960	183.2	178.8	178.1	178.7	180.8	181.1	177.4	179.8	179.8
1961	178.5	183.5	189.8	193.3	176.2	185.6	188.1	194.8	186.2
1962	195.7	200.1	204.6	205.0	193.8	203.1	202.8	206.9	201.7
1963	208.5	213.2	216.2	223.4	206.5	216.6	212.5	225.8	215.3
1964	230.8	234.4	237.0	240.0	228.9	238.2	231.3	243.0	235.3
1965	247.5	250.2	257.8	264.7	245.9	254.0	250.7	268.9	254.9

² Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

CATALOGUE No.

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MONTHLY

CANADA (DOMINION) BUREAU OF STATISTICS

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JANUARY 1966

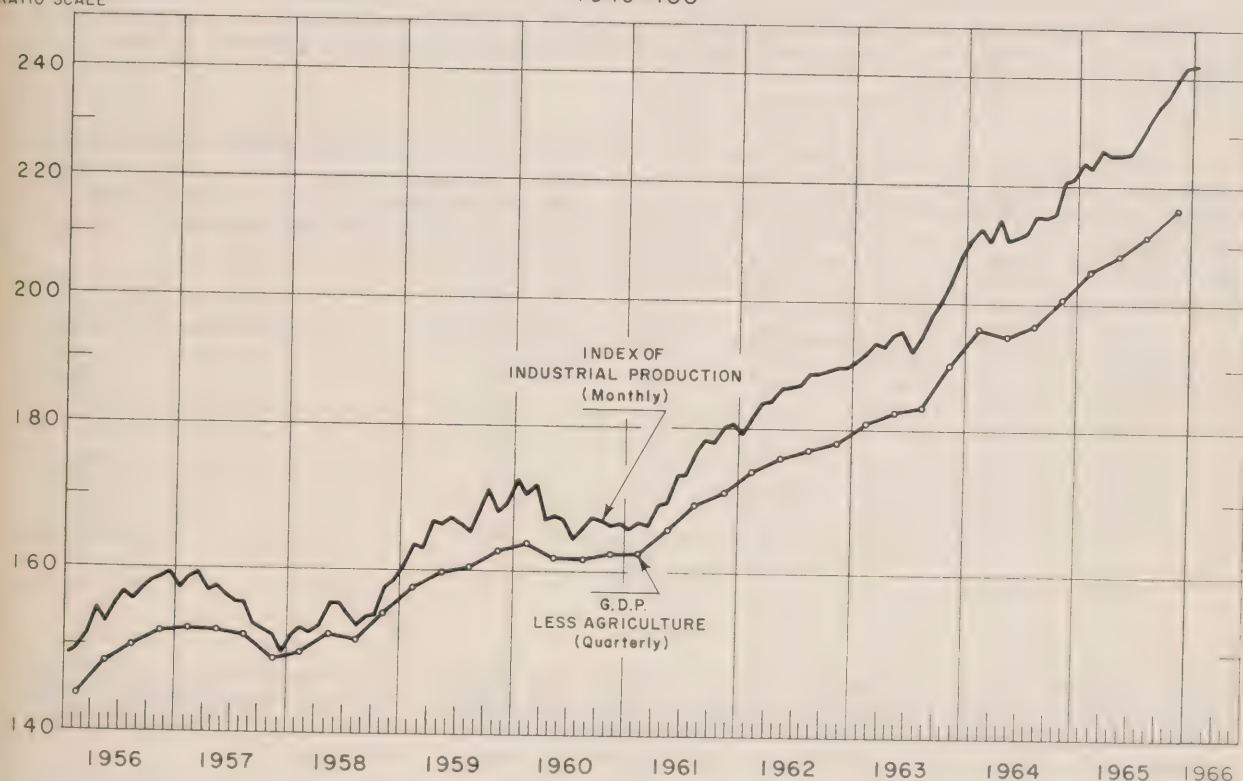
The seasonally adjusted index of industrial production advanced by 0.1 per cent in January.

Non-agricultural real output increased by 2.4 per cent in the fourth quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

RATIO SCALE

1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the fourth quarter of 1966.

April 1966
205-502

Industrial Output Section
National Accounts and Balance of Payments Division

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

JANUARY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production rose marginally from the revised December level of 242.3, starting the new year at the record level of 242.6. This latest increase left the Index of Industrial Production more than 45 per cent higher than in January 1961, when the current production expansion began.

In January manufacturing rose by 0.5 per cent and electric power and gas utilities by 3.9 per cent. These gains from December were, however, almost completely offset by a 4.4 per cent drop in mining. Both durables and non-durables contributed to the rise in manufacturing, advancing by 0.5 and 0.6 per cent respectively.

In non-durable manufacturing all of the major groups, with the exception of leather products, textiles, and clothing shared in the increase. The bulk of it was, however, contributed by paper products and chemical and allied products, each of which rose by nearly 2 per cent. In food and beverage, which advanced by 1/2 per cent all of the increase was due to a better than 3 per cent increase in beverages, as foods fell. The rise in beverages was almost entirely attributable to a substantial rise in breweries.

In durable manufacturing all of the major groups except wood products (-5%) and electrical apparatus and supplies (-2 per cent) shared in the increase. Iron and steel products were the major factor in the durable advance, rising by more than 2 per cent. Within this major group the bulk of the increase was attributable to heating and cooking apparatus. In transportation equipment, which rose by better than 1 per cent, nearly all of the increase was due to a near 2 per cent rise in motor vehicles. A gain of 5 per cent was also registered by non-metallic mineral products. Primary iron and steel rose by 1.9 per cent.

In mining, both metals and fuels contributed to the decline, falling by 5 and 3 per cent respectively. Non-metal mining rose by nearly 3 per cent. In metal mining all components except gold and nickel fell, the drops ranging from 1/2 to better than 20 per cent. In fuels the bulk of the drop was attributable to petroleum, which fell by nearly 4 per cent, as natural gas advanced by 4 per cent and coal fell only slightly. In non-metals all components shared in the increase.

In utilities the entire increase was due to a 5 per cent rise in electric power, gas falling by 3 per cent.

NOTES

1. For a continuous record of the Index of Industrial Production and its components, use the March 1963 supplement to this report for the period from 1919 to 1934, Reference Paper 61-502 for the period from 1935 to 1956, the March 1964 supplement to 61-005 for 1957 to 1959, the March 1965 supplement for 1960 to 1964, and these regular monthly reports thereafter.

For a continuous record of Gross Domestic Product and its components, use D.B.S. reference paper 61-505 for the period from 1935 to 1962, the March 1965 supplement for 1963 and 1964, and these regular monthly reports thereafter.

2. An explanation of the discontinuity in the total Clothing index is contained in the March 1964 issue of this report, page 2, note 2.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					1966
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	232.4	234.4	236.4	239.6	242.3	242.6
MINING,	3.245	2	354.8	360.6	340.6	360.6	365.1	349.0
Metals	1.925	2	209.9	217.7	208.5	224.0	225.5	213.6
Gold	0.624	5	87.4	83.7	85.0	83.1	82.8	84.1
Copper	0.356	4	186.8	191.1	180.6	185.7	200.8	199.8
Iron ore	0.099	3	787.4	785.0	905.5	1,065.4	916.0	885.3
Nickel	0.337	4	207.2	193.6	199.6	203.9	202.1	216.6
Non-metals	0.268	5	390.7	377.1	407.6	396.6	455.0	469.8
Asbestos	0.214	5	261.1	262.1	283.2	258.0	279.6	288.4
Fuels	0.915	3	633.8	641.1	579.6	614.4	594.8	577.4
Coal	0.553	6	57.9	55.7	53.5	58.0	54.6	54.5
Natural gas	0.035	2	1,574.2	1,434.7	1,527.2	1,540.0	1,468.0	1,527.3
Petroleum	0.327	3	1,507.2	1,546.2	1,367.9	1,456.2	1,414.8	1,360.1
MANUFACTURING, TOTAL	27.340	3	204.8	206.2	209.4	210.6	213.9	215.0
NON-DURABLE MANUFACTURES	14.742	3	195.8	197.5	200.3	200.5	202.8	204.1
Foods and beverages	3.814	4	179.7	182.1	185.5	188.5	189.5	190.6
Foods	2.896	4	175.5	177.1	179.9	181.1	184.9	184.2
Meat products	0.523	4	197.8	194.4	198.0	194.6	185.9	186.4
Dairy products	0.450	3	179.1	174.5	173.8	176.1	178.0	181.7
Canning and processing	0.453	4	176.4	183.6	168.3	177.6	203.0	198.6
Grain mill products	0.322	4	183.7	195.3	198.1	195.1	206.1	213.1
Bakery products	0.558	3	147.5	148.7	155.3	153.8	151.6	154.8
Miscellaneous foods	0.590	4	174.2	175.6	190.9	193.7	195.3	185.3
Beverages	0.918	6	192.9	198.0	203.1	212.1	204.1	210.9
Carbonated beverages	0.231	6	184.4	199.6	183.2	188.9	201.4	185.7
Breweries	0.463	6	167.7	156.4	172.1	187.1	167.9	199.6
Distilleries	0.203	6	261.9	297.8	292.8	297.8	293.5	269.6
Tobacco and tobacco products ..	0.248	6	219.8	228.4	234.9	227.8	230.4	241.1
Rubber products	0.430	3	214.9	219.5	230.3	242.0	245.3	251.5
Leather products	0.508	2	129.0	130.5	130.6	128.4	129.5	127.4
Boots and shoes	0.307	4	135.4	140.2	142.3	137.5	140.1	135.9
Textiles	1.623	3	194.4	198.4	193.9	183.9	195.3	193.9
Cotton goods	0.507	4	131.0	138.5	127.8	115.2	132.8	136.3
Wool goods	0.300	3	85.9	101.2	92.1	85.5	89.9	89.9
Synthetic Textiles and Silk	0.429	3	379.4	374.0	374.9	354.1	375.1	367.8
Clothing	1.801	3	138.8	147.6	136.3	148.1	141.0	136.5
Paper products	2.649	3	192.0	191.2	196.0	192.4	197.1	201.0
Pulp and paper	2.108	3	191.9	190.2	195.8	191.8	197.4	201.4

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965					1966
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	175.6	173.6	179.5	184.0	182.9	183.3
Products of petroleum and coal	0.513	3	318.9	302.3	315.2	303.2	317.1	317.3
Petroleum products	0.454	3	345.7	326.6	341.6	327.8	343.1	343.6
Chemicals and allied products	1.359	2	308.6	312.2	326.3	323.9	324.4	330.0
Acids, alkalies, salts and fertilizers	0.346	2	365.5	384.2	396.8	410.7	426.5	420.6
Miscellaneous manufactures	0.524	1	276.6	276.0	275.8	277.7	280.3	281.1
DURABLE MANUFACTURES	12.598	3	215.4	216.2	220.0	222.4	226.8	227.9
Wood products	2.108	2	167.7	173.0	178.7	180.5	183.6	173.7
Saw and planing mills	1.444	3	177.5	185.0	192.0	192.7	197.1	181.7
Veneers and plywoods	0.122	3	410.3	407.8	424.4	429.9	428.6	
Sawmills	0.994	4	164.3	175.8	183.4	183.0	188.5	165.7
Furniture	0.460	2	174.7	174.6	177.2	181.5	181.3	185.9
Iron and steel products	4.026	2	203.1	205.7	205.3	204.8	211.2	215.9
Machinery	0.851	1	208.3	210.9	210.6	212.2	214.9	217.7
Iron castings	0.387	3	172.4	203.6	191.6	203.1	241.6	230.2
Primary iron and steel	0.845	2	279.1	278.8	274.8	267.7	273.2	278.5
Sheet metal products	0.359	1	179.9	182.3	184.9	185.4	187.6	189.8
Transportation equipment	2.651	4	246.3	237.0	252.2	254.0	255.5	258.7
Aircraft and parts	0.203	1	251.6	208.1	254.8	264.6	283.2	284.2
Motor vehicles	1.035	4	373.6	357.8	381.1	379.9	376.0	383.1
Motor vehicle parts	0.462	2	269.9	266.9	280.1	284.4	294.3	293.1
Railway rolling stock	0.621	1	50.9	50.5	49.6	50.1	50.0	50.9
Shipbuilding and repairs	0.261	1	192.3	200.0	203.3	210.3	210.2	213.6
Non-ferrous metal products	1.601	3	168.7	176.1	175.2	183.0	181.6	183.0
Brass and copper products ...	0.241	1	140.5	169.3	176.9	179.8	183.7	183.7
Smelting and refining	1.028	3	184.9	189.3	185.3	196.0	192.1	193.5
Electrical apparatus and supplies	1.418	2	271.5	269.8	270.6	274.2	286.0	280.1
Heavy electrical machinery ..	0.489	1	175.6	176.0	180.8	184.5	185.2	188.7
Telecommunication equipment	0.142	3	731.1	655.8	622.6	649.8	753.9	624.5
Refrigerators and appliances	0.227	3	249.9	261.1	270.1	252.9	264.5	286.0
Non-metallic mineral products	0.794	2	294.8	300.4	296.8	304.1	310.5	325.9
Concrete products	0.098	4	865.1	887.7	874.7	891.9	913.3	952.8
Hydraulic cement	0.117	5	275.8	275.6	287.9	296.2	310.1	349.2
Domestic clay products	0.083	3	145.6	153.3	148.6	149.2	162.5	186.3
ELECTRIC POWER AND GAS UTILITIES	1.646	2	449.8	454.5	480.6	482.7	471.3	489.9
Electric power	1.480	2	412.9	411.9	433.7	436.7	429.8	453.6
Gas	0.166	3	778.8	834.1	898.5	892.8	841.8	813.6

TABLE 2. Index of Industrial Production

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964		1965			1966
	1963	1964	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	228.0	213.2	215.8	248.7	238.1	235.1
MINING,	294.4	326.5	340.2	319.7	338.1	366.4	352.7	342.2
Metals	193.8	210.7	210.2	185.4	206.2	224.2	208.1	193.2
Gold	95.5	91.0	98.2	85.7	89.2	85.4	81.6	80.2
Copper	174.0	186.4	211.9	190.2	184.5	205.2	196.8	189.8
Iron ore	670.8	834.2	719.0	573.4	622.8	926.9	641.2	566.6
Nickel	171.0	181.2	201.8	215.9	213.6	214.1	216.2	207.9
Non-metals	228.1	324.9	379.7	326.8	326.1	441.9	422.6	413.3
Asbestos	239.1	259.9	302.1	253.1	233.0	281.2	268.4	256.7
Fuels	513.6	554.7	576.5	598.6	632.4	612.1	625.4	645.5
Coal	52.0	55.1	66.4	63.5	70.4	68.7	61.3	65.9
Natural gas	1,179.8	1,382.3	1,483.7	1,763.4	1,678.5	1,597.0	1,713.2	1,817.5
Petroleum	1,221.6	1,300.8	1,340.4	1,377.2	1,470.8	1,425.6	1,462.9	1,500.2
MANUFACTURING, TOTAL	173.9	188.2	202.1	184.6	184.7	219.6	207.2	203.1
NON-DURABLE MANUFACTURES	172.2	184.5	199.4	182.7	175.2	209.2	194.6	188.0
Foods and beverages	162.1	174.1	193.7	173.7	150.7	202.0	177.8	156.6
Foods	157.2	170.0	185.4	170.7	152.5	190.3	175.5	160.4
Meat products	163.6	182.8	207.4	203.7	199.7	214.8	174.4	191.1
Dairy products	163.5	171.5	154.0	142.8	139.1	154.1	150.8	146.8
Canning and processing	165.4	174.9	192.4	154.3	90.7	186.7	170.0	97.3
Grain mill products	145.9	182.5	186.7	174.8	183.8	203.2	201.8	212.6
Bakery products	138.8	147.7	159.1	153.6	139.4	157.2	151.8	146.0
Miscellaneous foods	164.3	169.3	208.4	189.4	163.8	223.1	207.7	177.0
Beverages	177.6	187.3	219.9	183.2	145.0	239.1	184.8	144.9
Carbonated beverages	178.7	181.0	179.8	176.3	138.4	181.3	195.4	143.0
Breweries	159.9	168.2	185.4	164.7	124.0	192.7	157.3	112.0
Distilleries	220.3	242.5	352.9	238.7	203.0	416.9	239.5	222.4
Tobacco and tobacco products	207.7	214.0	236.2	199.1	208.8	241.7	207.4	231.5
Rubber products	190.5	213.8	237.3	213.6	191.4	261.4	237.9	228.9
Leather products	127.0	130.9	133.8	122.2	132.1	133.0	121.7	129.2
Boots and shoes	136.9	139.3	139.0	122.4	141.0	140.5	124.7	137.3
Textiles	159.5	172.2	184.5	171.6	171.8	192.9	195.1	188.4
Cotton goods	109.6	120.1	130.7	109.7	122.0	125.1	128.4	133.7
Wool goods	89.8	89.8	89.9	79.3	83.4	88.9	83.6	85.4
Synthetic textiles and silk	281.0	306.8	337.4	322.8	310.6	370.7	381.9	354.9
Clothing	137.0(1)	135.8	152.5	116.8	120.5	157.9	117.2	120.1
Paper products	164.3	179.0	194.3	178.5	172.5	199.5	191.0	189.3
Pulp and paper	163.8	180.0	197.3	178.9	174.3	200.4	190.5	189.9

(1) See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964		1965			1966
	1963	1964	Nov.	Dec.	Jan.	Nov.	Dec.	Jan.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	173.1	159.5	158.7	191.1	180.2	173.2
Products of petroleum and coal	296.0	304.2	312.9	325.3	331.9	309.7	331.8	323.4
Petroleum products	319.7	329.5	338.6	353.1	359.9	335.3	360.3	350.5
Chemicals and allied products	249.1	279.0	292.4	285.3	279.6	320.5	314.0	318.3
Acids, alkalis, salts and fertilizers	302.0	331.7	361.2	364.4	337.1	405.8	443.6	402.1
Miscellaneous manufactures	246.6	261.9	278.5	266.9	257.1	290.8	281.1	271.5
DURABLE MANUFACTURES	175.9	192.7	205.2	186.8	195.8	231.6	222.0	220.7
Wood products	159.0	165.1	157.4	145.5	158.6	166.2	164.7	165.2
Saw and planing mills	172.1	179.3	164.2	147.9	168.4	169.6	168.4	170.9
Veneers and plywoods	358.8	399.3	414.6	386.8	403.7	438.5	414.9	
Sawmills	162.3	167.0	143.8	125.0	154.2	147.3	148.9	152.4
Furniture	153.0	157.9	167.9	165.3	161.6	188.8	186.4	182.2
Iron and steel products	161.8	182.4	195.2	183.3	180.5	208.4	197.7	200.8
Machinery	160.2	179.2	192.7	192.8	190.8	215.6	216.0	214.0
Iron castings	151.1	180.7	175.3	157.0	168.2	192.9	198.1	210.4
Primary iron and steel	216.9	244.9	261.9	242.3	232.3	278.7	251.3	256.2
Sheet metal products	156.9	164.3	171.1	166.2	163.2	183.4	177.8	174.6
Transportation equipment	181.4	198.5	213.3	174.2	227.7	284.8	274.8	281.6
Aircraft and parts	233.8	270.9	275.6	275.6	272.5	269.9	289.1	292.7
Motor vehicles	257.6	276.1	309.1	225.5	336.7	451.3	420.0	436.7
Motor vehicle parts	179.5	215.6	214.5	178.2	239.1	292.6	303.4	304.8
Railway rolling stock	41.1	47.3	50.0	49.9	49.6	51.1	50.7	50.4
Shipbuilding and repairs	197.2	187.6	195.2	193.7	191.1	208.2	207.5	205.1
Non-ferrous metal products	148.8	162.0	168.9	172.5	165.1	183.6	181.7	180.4
Brass and copper products ...	133.4	149.6	154.6	157.5	159.0	179.1	180.4	180.0
Smelting and refining	161.6	176.0	184.1	189.8	178.9	195.6	192.5	191.6
Electrical apparatus and supplies	223.5	239.2	267.2	250.8	252.2	293.0	286.0	274.5
Heavy electrical machinery ..	154.3	161.0	167.8	168.9	169.5	186.5	188.0	188.7
Telecommunication equipment	546.9	584.0	747.0	641.7	661.4	786.2	753.9	618.3
Refrigerators and appliances	221.6	233.8	258.0	221.4	220.0	265.5	251.3	260.3
Non-metallic mineral products	243.0	277.6	318.3	270.5	226.3	336.3	287.1	250.6
Concrete products	652.3	849.6	1,030.2	789.0	537.6	1,052.5	803.7	571.7
Hydraulic cement	246.0	277.5	315.0	218.6	189.8	319.9	232.6	209.5
Domestic clay products	136.7	146.1	165.5	145.3	124.3	164.1	159.7	141.6
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	437.1	478.2	491.4	501.6	525.8	555.3
Electric power	339.2	371.5	402.3	425.3	425.3	457.7	468.5	489.9
Gas	620.1	711.0	748.8	952.5	1,080.7	892.8	1,037.1	1,139.1

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

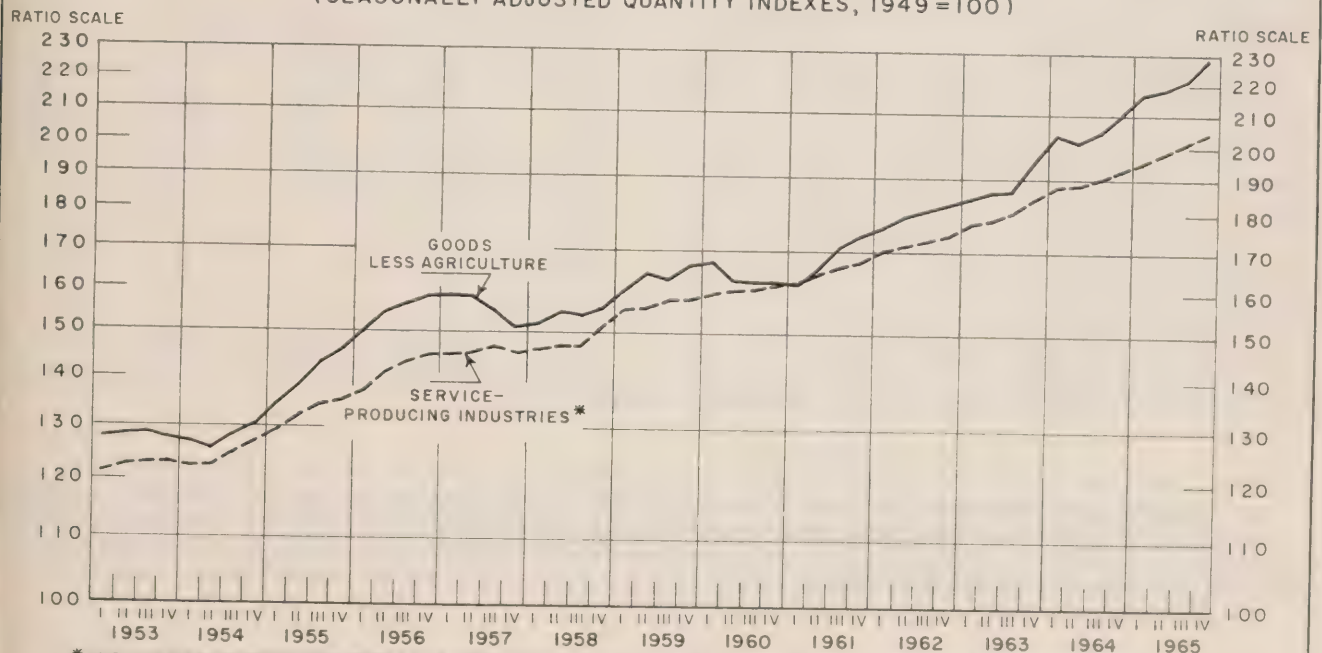
The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FOURTH QUARTER AND THE YEAR, 1965

At an index level of 216.3 for the fourth quarter of 1965, seasonally adjusted real domestic product less agriculture was almost 2 1/2 per cent higher than in the preceding quarter. This brought the annual average for the year 1965 to a level 6 1/2 per cent above that of the preceding year.

The following table shows the percentage increases of the major industry groups and their contributions to the 33 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low.

	IQ'61 - IQ'65		IQ'61 - IIQ'65		IQ'61 - IIIQ'65		IQ'61 - IVQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	26.4	26.4	27.9	27.9	30.3	30.3	33.4	33.4
Forestry	30.9	.6	35.0	.6	20.2	.4	22.0	.4
Fishing and trapping ..	- 12.3	- .1	- 17.5	- .1	- 17.7	- .1	- 12.9	- .1
Mining	38.1	2.1	35.3	2.0	40.1	2.3	41.7	2.3
Manufacturing	33.7	9.4	35.1	9.8	38.6	10.8	43.1	12.0
Non-durable	24.0	3.7	24.7	3.9	27.9	4.4	31.2	4.9
Durable	46.0	5.7	48.2	5.9	52.1	6.4	57.9	7.1
Construction	28.6	2.0	31.0	2.1	33.7	2.4	38.5	2.7
Electric power and gas utilities	43.5	1.5	42.6	1.5	46.4	1.6	57.3	2.0
Other goods, n.e.c. ...	14.1	.2	14.5	.2	14.9	.2	15.2	.2
Transportation, storage and communication ...	29.0	2.8	31.2	3.0	34.8	3.4	37.9	3.7
Transportation	30.7	2.1	33.3	2.3	37.4	2.6	40.4	2.8
Trade	23.4	3.6	26.2	4.1	28.7	4.5	31.4	4.9
Wholesale	36.4	1.9	38.0	2.0	41.0	2.2	45.2	2.4
Retail	16.6	1.7	20.0	2.0	22.3	2.3	24.3	2.5
Finance, insurance and real estate	20.2	2.2	22.1	2.4	23.3	2.5	23.8	2.6
Public administration and defence	4.3	.3	4.1	.3	4.4	.3	5.1	.3
Community, recreation, business and personal service	17.5	1.8	19.5	2.0	20.8	2.2	22.2	2.3

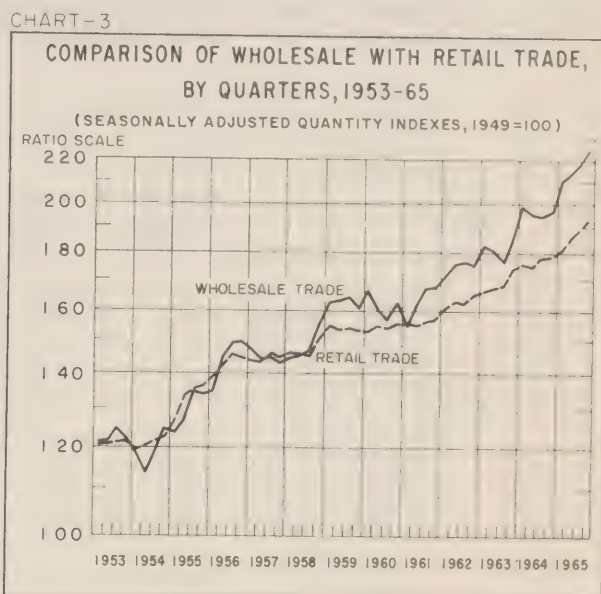
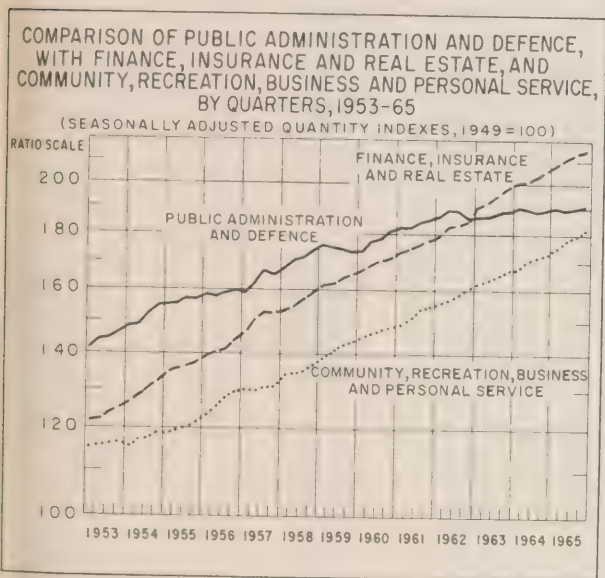
Note: The columns may not add to the total due to rounding.

More than two-thirds of the fourth quarter gain in non-agricultural real output came from the goods-producing industries. Manufacturing alone accounted for about 40 per cent of this gain in aggregate non-agricultural production, while construction and electric power and gas utilities, with increases of 3 1/2 per cent and 7 1/2 per cent, respectively, contributed another 23 per cent.

The larger part of the gain in the output of the service-producing industries came from trade and the transportation, storage and communication group which jointly accounted for almost a quarter of the increase in non-agricultural real output. The remaining service-producing industry groups show gains ranging from one half of one per cent in public administration and defence to just over one per cent for the community, recreation, business and personal service group.

More than half of the 3 per cent gain in manufacturing came from the durable manufacturing component, which advanced by 4 per cent. Within durables, all major groups showed increases in the fourth quarter, ranging from 2 to 7 1/2 per cent. The largest contributors were wood products which advanced by 7 1/2 per cent and transportation equipment, up by 4 1/2 per cent. The latter group owed the major part of its advance to the continued strong gains in motor vehicles and parts production, which has more than doubled since the beginning of the current expansion. The electrical apparatus and non-ferrous metal groups recorded increases of more than 3 per cent, while the non-metallic minerals group advanced by 2 1/2 per cent. Within non-durable manufacturing, increases were shown by all major groups except textiles and petroleum products. The 4 per cent gain in foods and beverages and the 5 per cent advance in chemical products jointly accounted for about two-thirds of the increase in non-durable manufacturing. Gains of over 4 per cent were also recorded by printing and publishing and tobacco products. Rubber products were up by nearly 12 per cent.

Turning to the service-producing industries, the largest contribution to the gain in non-agricultural real output came from trade which advanced by 2 per cent, with wholesale trade contributing just over one half of the increase. Within wholesale trade, which advanced by 3 per cent, particularly strong gains were recorded by such trades as commercial, institutional and service equipment, industrial and transportation equipment and supplies, construction materials and supplies, farm machinery, household electrical appliances and footwear. Declines occurred in the sales of such wholesale trades as meat and dairy products, clothing and furnishings and coal and coke. Within retail trade, gains were more widespread. However, almost one-third of the one and a half per cent increase in total retail trade came from the motor vehicle dealer component, which has been the most rapidly expanding component of retail trade during the current expansion. Among other trades, fairly strong advances occurred in the sales of farm implement dealers, lumber and building material dealers and shoe stores, which parallel the increased sales of similar trades at the wholesale level. However, at the retail level substantial gains were also recorded by fuel dealers, jewellery stores, general stores and farm feed stores. Department stores and men's clothing stores showed a marginal decline.



Within transportation, storage and communication, which advanced by about 2 per cent, most of the increase came from the 2 per cent gain in the transportation component. Storage showed no change in the fourth quarter, while communication advanced by 3 per cent, largely as a result of increases in the post office component from very low third quarter levels. Within transportation, the increase came from gains in rail, air and water transport. Rail transport made the largest single contribution

to the fourth quarter advance in transportation. Air and water transport, however, showed higher percentage increases from third quarter levels. Offsetting movements were recorded by the other components of transportation, with increases in interurban passenger transport and truck transport, and declines in such components as urban passenger transport and oil and gas pipelines. The latter decline coincides with drops in crude petroleum mining and decreased output of the strike-affected petroleum products industry.

Among the remaining service-producing industries, public administration and defence showed a fractional advance, following a decline earlier in the year. This industry has shown little growth during the past three years, remaining at roughly the same level of output throughout the period. It is still only slightly above the level first achieved during the second quarter of 1962. Most of the increase in the current quarter came from the provincial government component.

The community, recreation, business and personal service group increased by just over one per cent in the fourth quarter, with all four components contributing to this increase. The largest contributor was the personal service component, although business services showed the highest quarter to quarter gain, more or less in line with the increase in such cyclically sensitive industries as transportation, trade and manufacturing. Laundries and restaurants were among the personal service industries to show the largest increases in the fourth quarter.

Turning to developments for the year 1965 as a whole, the index of gross domestic product less agriculture for 1965 was 6 1/2 per cent above the level of the previous year, with manufacturing contributing over one-third of this gain. Most major industry groupings showed increases well above their post-war average rates of growth. The exceptions were the primary industries and the public administration and defence and the finance, insurance and real estate groups from among the service-producing industries. The largest year to year gains were recorded by durable manufacturing, electric power and gas utilities and wholesale trade, all of which increased by about 10 per cent in 1965. Gains of about 8 per cent occurred in construction and transportation, while non-durable manufacturing and retail trade advanced by 5 1/2 and 6 per cent, respectively.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
1965 - 1	205.1	168.7	124.5	346.4	226.1	395.9	564.1	197.5	190.1
2	207.5	174.0	117.1	339.4	214.5	377.7	575.2	199.6	191.1
3	211.3	155.0	116.8	351.6	212.9	383.8	618.1	204.7	196.0
4	216.3	157.3	123.6	355.4	221.1	419.8	596.3	211.3	201.2
Without seasonal adjustment									
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
1965	209.7	160.4	120.4	347.1	216.5	393.2	588.7	203.0	194.2
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
1965 - 1	193.5	144.3	74.7	333.4	202.3	342.5	615.7	192.6	183.1
2	209.8	151.5	118.1	339.6	222.9	392.0	547.8	204.2	191.2
3	213.8	184.8	163.7	357.6	223.7	394.3	590.5	200.2	197.6
4	221.6	161.0	125.2	357.7	219.2	444.0	600.9	214.9	205.3

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	210.1	125.3	179.5	139.3	187.6	174.5
3	180.1	220.4	213.7	127.3	193.6	143.4	191.4	174.0
4	187.4	231.0	239.2	129.5	191.0	144.1	195.2	182.2
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965	180.2	224.4	219.8	127.9	185.3	140.2	190.1	175.2
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	224.7	126.5	185.2	120.4	188.5	178.2
3	196.0	210.4	189.5	118.8	177.8	155.9	192.0	168.4
4	194.7	229.4	245.5	128.8	196.0	148.1	197.5	186.9

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
1965 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.6	209.4	169.3	195.9	230.4	170.2
3	317.4	309.3	276.5	214.9	168.2	203.1	243.1	172.8
4	311.8	324.9	277.9	223.1	180.9	207.1	253.9	180.0
Without seasonal adjustment								
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
1965	316.5	304.9	272.6	213.2	171.0	199.4	236.6	173.4
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
1964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
1965 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.4	219.5	169.3	203.8	265.6	172.6
3	325.8	299.0	281.1	203.3	177.0	202.5	171.3	169.8
4	319.5	320.6	287.7	226.2	169.4	205.0	268.1	181.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6,379	1,646	8,363	6,528	0,230	14,562	4,995
Seasonally adjusted									
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.3
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.0
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.6
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.9
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.0
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.9
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.4
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.7
1965 - 1	258.9	313.5	203.9	436.3	217.0	203.9	208.8	191.1	211.2
2	269.3	286.4	207.6	433.7	220.6	207.9	224.2	195.5	213.6
3	267.3	296.0	211.9	445.3	226.8	214.4	241.1	199.4	218.2
4	276.9	303.8	219.6	478.2	231.9	219.0	241.1	203.6	224.7
Without seasonal adjustment									
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.9
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.6
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.2
1965	267.9	299.3	206.7	448.2	224.8	212.2	230.4	197.6	217.1
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.0
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.3
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.7
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.5
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.0
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.4
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.4
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.3
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.2
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.5
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.8
1965 - 1	255.9	235.6	138.1	491.3	198.7	181.4	174.0	177.8	217.1
2	262.1	296.0	203.9	421.9	226.0	215.8	222.1	203.0	226.8
3	264.1	343.3	250.8	386.7	240.2	233.2	254.4	189.8	201.1
4	289.4	322.3	234.1	493.0	234.2	218.5	271.2	220.0	223.5

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9,567	9,127	4,666	10,202	42,366	46,920	81,015	8,271	32,231
Seasonally adjusted									
1962 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
1963 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
1964 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
1965 - 1	180.7	208.1	190.4	175.1	215.8	195.5	206.0	197.1	224.7
2	186.0	211.4	189.9	178.0	217.2	198.7	208.5	197.7	225.6
3	189.6	213.4	190.6	180.0	221.7	201.9	212.5	199.1	231.8
4	192.6	214.3	191.8	182.1	228.9	204.9	217.9	200.5	239.4
Without seasonal adjustment									
1962	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
1963	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
1964	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
1965	187.5	211.9	190.7	178.8	219.9	200.5	210.8	198.6	230.0
1962 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
1963 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1964 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
1965 - 1	157.2	204.4	183.7	170.5	202.1	185.7	193.5	192.9	222.1
2	190.6	212.5	190.6	178.1	218.2	202.3	211.0	198.3	229.0
3	183.8	216.7	198.6	184.5	224.9	203.7	214.8	204.0	225.6
4	218.2	214.0	189.8	182.2	234.3	210.1	223.9	199.2	243.5

- (2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
- (3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

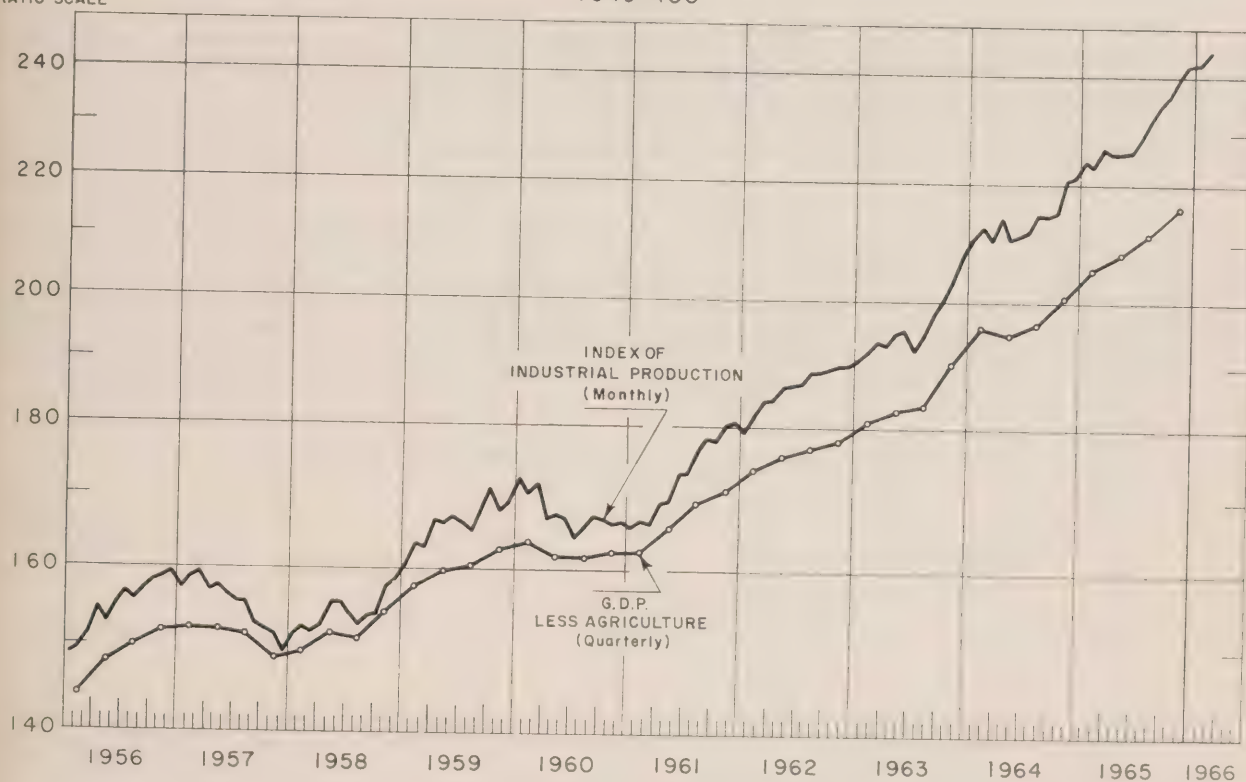
FEBRUARY 1966

The seasonally adjusted index of industrial production advanced by 1.0 per cent in February.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1956-1965

1949=100

RATIO SCALE



Please see special note on page 2.

April 1966
205-502

Industrial Output Section
National Accounts and Balance of Payments Division

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

FEBRUARY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production rose by 1.0 per cent to 245.1 in February from the revised January level of 242.7. The latest gain was the result of contributions by all three components, as mining rose by 4.1 per cent, manufacturing advanced by 0.4 per cent, and electric power and gas utilities registered a gain of 1.1 per cent.

Within mining, all 3 major groups moved up, metals advancing by 3 per cent, fuels by 4 per cent and non-metals by 1 per cent. While all metals with the exceptions of iron ore and nickel advanced, the bulk of the gain was attributable to a better than 20 per cent gain in zinc. A good gain was also registered by "other" metals.

In fuel, both coal (+8 per cent) and petroleum (+5 per cent) rose, while natural gas fell (-4 per cent); the bulk of the gain was attributable to petroleum. In non metals mining all components shared in the increase.

Both non-durables and durables shared in the 0.4 per cent gain in manufacturing, rising by 0.3 and 0.4 per cent respectively. It should be noted that the January and February indexes for many components of manufacturing contain a greater element of estimation than is usual due to a temporary interruption in the processing of manhour data in DBS.

In non-durables, in February, all of the industries, with the exception of foods and beverages, rubber products, leather products, and textiles, (which fell by from 1 to 2 per cent), shared in the gain. The increases ranged from 1 to 4 per cent, with the major part of the gain being furnished by paper products, clothing, and products of petroleum and coal. In paper products nearly all of the increase was attributable to pulp and paper while products of petroleum and coal also rose substantially.

In durable manufacturing wood products, iron and steel products and non-ferrous metal products registered decreases ranging from marginal to 1 per cent while transportation equipment, electrical apparatus and supplies, and non-metallic mineral products showed gains of from 1 to nearly 3 per cent. In iron and steel products the largest part of the drop was attributable to iron castings, which fell by nearly 9 per cent. In transportation equipment partially all of the gain was due to the 3 per cent rise in motor vehicles. Concrete products were the major factor in the near 3 per cent advance in non-metallic mineral products. Primary iron and steel rose by 2.5 per cent.

In electric power and gas utilities both components shared in the gain.

SPECIAL NOTE

It should be noted that the Index of Industrial Production and its components are currently undergoing revisions resulting largely from the incorporation into the historical record for the 1949-1965 period of more up-to-date annual benchmarks. The annual supplement to this publication (61-005), which will be available by the end of May, will contain the revised series on a seasonally adjusted and unadjusted basis for the entire period up to the end of 1965 for all the previously published components of the Index of Industrial Production as well as the higher aggregates of which they form a part. In addition, the March index issue, available about the same time, will carry this revision forward into 1966.

The general effect of the revision will be to raise the output level of most of the industry groupings concerned. However, even where the revisions to index levels are substantial, the resultant corrections to the month-to-month and quarter-to-quarter changes will not significantly affect short-term analysis.

TABLE 1. Index of Industrial Production
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965				1966	
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
INDEX OF INDUSTRIAL PRODUCTION	32.231	1	234.4	236.4	239.6	242.3	242.7	245.1
MINING,	3.245	2	360.6	340.6	360.6	365.1	349.0	363.3
Metals	1.925	2	217.7	208.5	224.0	225.5	212.3	219.6
Gold	0.624	5	83.7	85.0	83.1	82.8	84.1	86.2
Copper	0.356	4	191.1	180.6	185.7	200.8	194.2	197.2
Iron ore	0.099	3	785.0	905.5	1,065.4	916.0	885.3	882.7
Nickel	0.337	4	193.6	199.6	203.9	202.1	216.6	197.1
Non-metals	0.268	5	377.1	407.6	396.6	455.0	469.8	474.4
Asbestos	0.214	5	262.1	283.2	258.0	279.6	288.4	291.7
Fuels	0.915	3	641.1	579.6	614.4	594.8	577.9	602.6
Coal	0.553	6	55.7	53.5	58.0	54.6	54.5	59.0
Natural gas	0.035	2	1,434.7	1,527.2	1,540.0	1,468.0	1,533.6	1,478.6
Petroleum	0.327	3	1,546.2	1,367.9	1,456.2	1,414.8	1,360.8	1,428.2
MANUFACTURING, TOTAL	27.340	3	206.2	209.4	210.6	213.9	215.2	216.0
NON-DURABLE MANUFACTURES	14.742	3	197.5	200.3	200.5	202.8	204.3	205.0
Foods and beverages	3.814	4	182.1	185.5	188.5	189.5	189.3	186.7
Foods	2.896	4	177.1	179.9	181.1	184.9	182.5	179.6
Meat products	0.523	4	194.4	198.0	194.6	185.9	185.4	183.9
Dairy products	0.450	3	174.5	173.8	176.1	178.0	177.1	179.9
Canning and processing	0.453	4	183.6	168.3	177.6	203.0	191.4	176.4
Grain mill products	0.322	4	195.3	198.1	195.1	206.1	215.5	213.2
Bakery products	0.558	3	148.7	155.3	153.8	151.6	154.8	158.0
Miscellaneous foods	0.590	4	175.6	190.9	193.7	195.3	185.3	180.2
Beverages	0.918	6	198.0	203.1	212.1	204.1	210.9	209.0
Carbonated beverages	0.231	6	199.6	183.2	188.9	201.4	185.7	217.9
Breweries	0.463	6	156.4	172.1	187.1	167.9	199.6	181.6
Distilleries	0.203	6	297.8	292.8	297.8	293.5	269.6	265.9
Tobacco and tobacco products ..	0.248	6	228.4	234.9	227.8	230.4	241.1	250.0
Rubber products	0.430	3	219.5	230.3	242.0	245.3	251.5	247.5
Leather products	0.508	2	130.5	130.6	128.4	129.5	127.6	126.3
Boots and shoes	0.307	4	140.2	142.3	137.5	140.1	136.2	134.1
Textiles	1.623	3	198.4	193.9	183.9	195.3	197.7	194.0
Cotton goods	0.507	4	138.5	127.8	115.2	132.8	136.3	130.9
Wool goods	0.300	3	101.2	92.1	85.5	89.9	87.7	89.0
Synthetic Textiles and Silk	0.429	3	374.0	374.9	354.1	375.1	382.8	374.3
Clothing	1.801	3	147.6	136.3	148.1	141.0	137.8	142.2
Paper products	2.649	3	191.2	196.0	192.4	197.1	201.0	204.7
Pulp and paper	2.108	3	190.2	195.8	191.8	197.4	201.4	205.6

TABLE 1. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 weights	MCD	Seasonally adjusted					
			1965				1966	
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	4	173.6	179.5	184.0	182.9	183.3	184.2
Products of petroleum and coal	0.513	3	302.3	315.2	303.2	317.1	317.3	329.9
Petroleum products	0.454	3	326.6	341.6	327.8	343.1	343.6	357.6
Chemicals and allied products	1.359	2	312.2	326.3	323.9	324.4	330.4	332.4
Acids, alkalies, salts and fertilizers	0.346	2	384.2	396.8	410.7	426.5	421.8	416.9
Miscellaneous manufactures	0.524	1	276.0	275.8	277.7	280.3	281.1	279.4
DURABLE MANUFACTURES	12.598	3	216.2	220.0	222.4	226.8	227.9	228.9
Wood products	2.108	2	173.0	178.7	180.5	183.6	175.5	175.2
Saw and planing mills	1.444	3	185.0	192.0	192.7	197.1	184.2	183.3
Veneers and plywoods	0.122	3	407.8	424.4	429.9	428.6	456.5	
Sawmills	0.994	4	175.8	183.4	183.0	188.5	165.7	166.0
Furniture	0.460	2	174.6	177.2	181.5	181.3	185.9	187.4
Iron and steel products	4.026	2	205.7	205.3	204.8	211.2	215.7	214.0
Machinery	0.851	1	210.9	210.6	212.2	214.9	217.7	217.4
Iron castings	0.387	3	203.6	191.6	203.1	241.6	230.2	209.9
Primary iron and steel	0.845	2	278.8	274.8	267.7	273.2	278.5	285.5
Sheet metal products	0.359	1	182.3	184.9	185.4	187.6	189.8	189.8
Transportation equipment	2.651	4	237.0	252.2	254.0	255.5	258.7	263.1
Aircraft and parts	0.203	1	208.1	254.8	264.6	283.2	284.2	284.7
Motor vehicles	1.035	4	357.8	381.1	379.9	376.0	383.1	395.8
Motor vehicle parts	0.462	2	266.9	280.1	284.4	294.3	293.1	291.3
Railway rolling stock	0.621	1	50.5	49.6	50.1	50.0	50.9	50.3
Shipbuilding and repairs	0.261	1	200.0	203.3	210.3	210.2	213.6	212.1
Non-ferrous metal products	1.601	3	176.1	175.2	183.0	181.6	182.0	180.1
Brass and copper products ...	0.241	1	169.3	176.9	179.8	183.7	183.7	182.3
Smelting and refining	1.028	3	189.3	185.3	196.0	192.1	191.9	188.5
Electrical apparatus and supplies	1.418	2	269.8	270.6	274.2	286.0	280.1	282.8
Heavy electrical machinery ..	0.489	1	176.0	180.8	184.5	185.2	188.7	191.3
Telecommunication equipment	0.142	3	655.8	622.6	649.8	753.9	624.5	627.9
Refrigerators and appliances	0.227	3	261.1	270.1	252.9	264.5	286.0	286.0
Non-metallic mineral products	0.794	2	300.4	296.8	304.1	310.5	325.4	334.4
Concrete products	0.098	4	887.7	874.7	891.9	913.3	952.2	1,067.7
Hydraulic cement	0.117	5	275.6	287.9	296.2	310.1	344.7	344.1
Domestic clay products	0.083	3	153.3	148.6	149.2	162.5	186.3	165.8
ELECTRIC POWER AND GAS UTILITIES	1.646	2	454.5	480.6	482.7	471.3	489.9	495.3
Electric power	1.480	2	411.9	433.7	436.7	429.8	453.6	456.2
Gas	0.166	3	834.1	898.5	892.8	841.8	813.6	843.5

TABLE 2. Index of Industrial Production
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1963	1964	1964	1965			1966	
			Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
INDEX OF INDUSTRIAL PRODUCTION	195.9	213.3	213.2	215.8	223.6	238.1	235.2	237.4
MINING,	294.4	326.5	319.7	338.1	328.6	352.7	341.6	357.7
Metals	193.8	210.7	185.4	206.2	196.0	208.1	192.2	204.8
Gold	95.5	91.0	85.7	89.2	87.6	81.6	80.2	85.8
Copper	174.0	186.4	190.2	184.5	183.5	196.8	184.5	185.4
Iron ore	670.8	834.2	573.4	622.8	634.2	641.2	566.6	617.9
Nickel	171.0	181.2	215.9	213.6	209.9	216.2	207.9	201.0
Non-metals	228.1	324.9	326.8	326.1	341.0	422.6	413.3	429.0
Asbestos	239.1	259.9	253.1	233.0	258.8	268.4	256.7	283.2
Fuels	513.6	554.7	598.6	632.4	614.2	625.4	646.1	660.6
Coal	52.0	55.1	63.5	70.4	64.7	61.3	65.9	66.4
Natural gas	1,179.8	1,382.3	1,763.4	1,678.5	1,651.7	1,713.2	1,825.0	1,715.2
Petroleum	1,221.6	1,300.8	1,377.2	1,470.8	1,432.3	1,462.9	1,501.0	1,552.5
MANUFACTURING, TOTAL	173.9	188.2	184.6	184.7	194.3	207.2	203.3	203.2
NON-DURABLE MANUFACTURES	172.2	184.5	182.7	175.2	187.3	194.6	188.4	202.9
Foods and beverages	162.1	174.1	173.7	150.7	155.7	177.8	155.8	166.1
Foods	157.2	170.0	170.7	152.5	152.9	175.5	159.2	160.5
Meat products	163.6	182.8	203.7	199.7	185.7	174.4	190.0	187.4
Dairy products	163.5	171.5	142.8	139.1	146.6	150.8	143.1	151.8
Canning and processing	165.4	174.9	154.3	90.7	100.6	170.0	93.3	99.7
Grain mill products	145.9	182.5	174.8	183.8	191.2	201.8	215.0	219.7
Bakery products	138.8	147.7	153.6	139.4	137.5	151.8	146.0	144.4
Miscellaneous foods	164.3	169.3	189.4	163.8	162.3	207.7	177.0	173.1
Beverages	177.6	187.3	183.2	145.0	164.5	184.8	144.9	183.6
Carbonated beverages	178.7	181.0	176.3	138.4	181.1	195.4	143.0	207.0
Breweries	159.9	168.2	164.7	124.0	132.3	157.3	112.0	148.9
Distilleries	220.3	242.5	238.7	203.0	224.9	239.5	222.4	242.0
Tobacco and tobacco products	207.7	214.0	199.1	208.8	228.3	207.4	231.5	257.5
Rubber products	190.5	213.8	213.6	191.4	250.2	237.9	228.9	282.1
Leather products	127.0	130.9	122.2	132.1	140.4	121.7	129.4	140.4
Boots and shoes	136.9	139.3	122.4	141.0	154.3	124.7	137.6	154.2
Textiles	159.5	172.2	171.6	171.8	193.5	195.1	192.1	204.2
Cotton goods	109.6	120.1	109.7	122.0	146.0	128.4	133.7	142.7
Wool goods	89.8	89.8	79.3	83.4	83.5	83.6	83.3	90.2
Synthetic textiles and silk	281.0	306.8	322.8	310.6	367.0	381.9	369.4	401.2
Clothing	137.0(1)	135.8	116.8	120.5	143.2	117.2	121.3	148.6
Paper products	164.3	179.0	178.5	172.5	184.5	191.0	189.3	205.5
Pulp and paper	163.8	180.0	178.9	174.3	189.1	190.5	189.9	209.7

(1) See page 2 footnote (2).

TABLE 2. Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1964	1965			1966	
	1963	1964	Dec.	Jan.	Feb.	Dec.	Jan.	Feb.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	156.7	164.6	159.5	158.7	171.4	180.2	173.2	180.9
Products of petroleum and coal	296.0	304.2	325.3	331.9	321.4	331.8	323.4	336.2
Petroleum products	319.7	329.5	353.1	359.9	349.2	360.3	350.5	364.8
Chemicals and allied products	249.1	279.0	285.3	279.6	289.2	314.0	318.6	333.0
Acids, alkalies, salts and fertilizers	302.0	331.7	364.4	337.1	367.9	443.6	403.2	425.2
Miscellaneous manufactures	246.6	261.9	266.9	257.1	255.5	281.1	271.5	270.2
DURABLE MANUFACTURES	175.9	192.7	186.8	195.8	202.5	222.0	220.8	227.5
Wood products	159.0	165.1	145.5	158.6	173.6	164.7	166.9	182.0
Saw and planing mills	172.1	179.3	147.9	168.4	189.9	168.4	173.5	196.2
Veneers and plywoods	358.8	399.3	386.8	403.7	430.8	414.9	456.5	
Sawmills	162.3	167.0	125.0	154.2	182.3	148.9	152.4	182.6
Furniture	153.0	157.9	165.3	161.6	163.1	186.4	182.2	180.1
Iron and steel products	161.8	182.4	183.3	180.5	184.8	197.7	200.6	205.4
Machinery	160.2	179.2	192.8	190.8	190.1	216.0	214.0	213.3
Iron castings	151.1	180.7	157.0	168.2	182.8	198.1	210.4	205.7
Primary iron and steel	216.9	244.9	242.3	232.3	243.4	251.3	256.2	271.2
Sheet metal products	156.9	164.3	166.2	163.2	160.9	177.8	174.6	174.6
Transportation equipment	181.4	198.5	174.2	227.7	232.6	274.8	281.6	286.8
Aircraft and parts	233.8	270.9	275.6	272.5	266.1	289.1	292.7	293.2
Motor vehicles	257.6	276.1	225.5	336.7	348.4	420.0	436.7	451.2
Motor vehicle parts	179.5	215.6	178.2	239.1	244.8	303.4	304.8	302.4
Railway rolling stock	41.1	47.3	49.9	49.6	48.9	50.7	50.4	49.7
Shipbuilding and repairs	197.2	187.6	193.7	191.1	192.7	207.5	205.1	206.6
Non-ferrous metal products	148.8	162.0	172.5	165.1	169.3	181.7	179.4	180.5
Brass and copper products ...	133.4	149.6	157.5	159.0	157.2	180.4	180.0	180.5
Smelting and refining	161.6	176.0	189.8	178.9	186.6	192.5	190.0	191.3
Electrical apparatus and supplies	223.5	239.2	250.8	252.2	256.8	286.0	274.5	281.7
Heavy electrical machinery ..	154.3	161.0	168.9	169.5	168.5	188.0	188.7	188.6
Telecommunication equipment	546.9	584.0	641.7	661.4	674.3	753.9	618.3	650.5
Refrigerators and appliances	221.6	233.8	221.4	220.0	243.2	251.3	260.3	283.1
Non-metallic mineral products	243.0	277.6	270.5	226.3	237.8	287.1	250.4	260.2
Concrete products	652.3	849.6	789.0	537.6	567.8	803.7	571.3	683.3
Hydraulic cement	246.0	277.5	218.6	189.8	192.5	232.6	206.8	220.2
Domestic clay products	136.7	146.1	145.3	124.3	117.8	159.7	141.6	129.1
ELECTRIC POWER AND GAS UTILITIES	367.4	405.6	478.2	491.4	503.5	525.8	555.4	567.0
Electric power	339.2	371.5	425.3	425.3	429.5	468.5	489.9	485.8
Gas	620.1	711.0	952.5	1,080.7	1,163.4	1,037.1	1,139.1	1,290.1

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

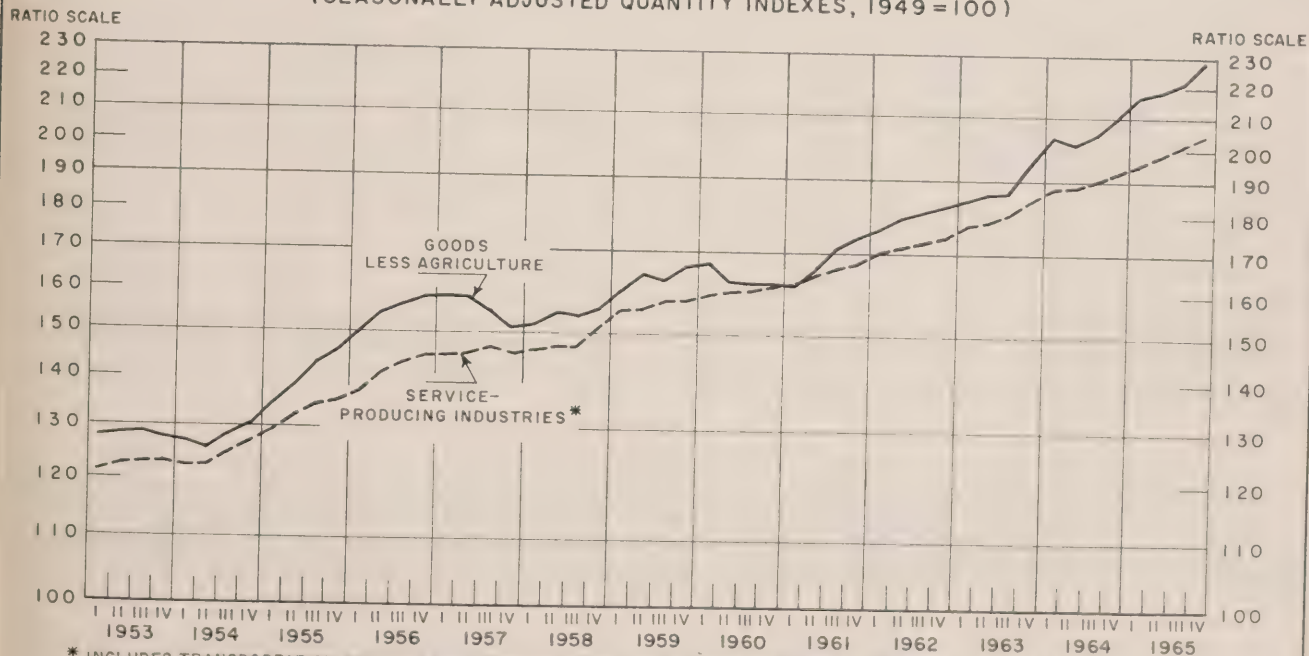
The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in DBS Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61". This reference paper contains a detailed description of concepts and methods used as well as other relevant material.

The monthly "Index of Industrial Production" publication 61-005 will henceforth contain quarterly indexes of real domestic product, less agriculture, with component industry detail. Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRIES BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE, FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FOURTH QUARTER AND THE YEAR, 1965

At an index level of 216.3 for the fourth quarter of 1965, seasonally adjusted real domestic product less agriculture was almost 2 1/2 per cent higher than in the preceding quarter. This brought the annual average for the year 1965 to a level 6 1/2 per cent above that of the preceding year.

The following table shows the percentage increases of the major industry groups and their contributions to the 33 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low.

	IQ'61 - IQ'65		IQ'61 - IIQ'65		IQ'61 - IIIQ'65		IQ'61 - IVQ'65	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	26.4	26.4	27.9	27.9	30.3	30.3	33.4	33.4
Forestry	30.9	.6	35.0	.6	20.2	.4	22.0	.4
Fishing and trapping ..	- 12.3	- .1	- 17.5	- .1	- 17.7	- .1	- 12.9	- .1
Mining	38.1	2.1	35.3	2.0	40.1	2.3	41.7	2.3
Manufacturing	33.7	9.4	35.1	9.8	38.6	10.8	43.1	12.0
Non-durable	24.0	3.7	24.7	3.9	27.9	4.4	31.2	4.9
Durable	46.0	5.7	48.2	5.9	52.1	6.4	57.9	7.1
Construction	28.6	2.0	31.0	2.1	33.7	2.4	38.5	2.7
Electric power and gas								
utilities	43.5	1.5	42.6	1.5	46.4	1.6	57.3	2.0
Other goods, n.e.c. ...	14.1	.2	14.5	.2	14.9	.2	15.2	.2
Transportation, storage								
and communication ...	29.0	2.8	31.2	3.0	34.8	3.4	37.9	3.7
Transportation	30.7	2.1	33.3	2.3	37.4	2.6	40.4	2.8
Trade	23.4	3.6	26.2	4.1	28.7	4.5	31.4	4.9
Wholesale	36.4	1.9	38.0	2.0	41.0	2.2	45.2	2.4
Retail	16.6	1.7	20.0	2.0	22.3	2.3	24.3	2.5
Finance, insurance and								
real estate	20.2	2.2	22.1	2.4	23.3	2.5	23.8	2.6
Public administration								
and defence	4.3	.3	4.1	.3	4.4	.3	5.1	.3
Community, recreation,								
business and personal								
service	17.5	1.8	19.5	2.0	20.8	2.2	22.2	2.3

Note: The columns may not add to the total due to rounding.

More than two-thirds of the fourth quarter gain in non-agricultural real output came from the goods-producing industries. Manufacturing alone accounted for about 40 per cent of this gain in aggregate non-agricultural production, while construction and electric power and gas utilities, with increases of 3 1/2 per cent and 7 1/2 per cent, respectively, contributed another 23 per cent.

The larger part of the gain in the output of the service-producing industries came from trade and the transportation, storage and communication group which jointly accounted for almost a quarter of the increase in non-agricultural real output. The remaining service-producing industry groups show gains ranging from one half of one per cent in public administration and defence to just over one per cent for the community, recreation, business and personal service group.

More than half of the 3 per cent gain in manufacturing came from the durable manufacturing component, which advanced by 4 per cent. Within durables, all major groups showed increases in the fourth quarter, ranging from 2 to 7 1/2 per cent. The largest contributors were wood products which advanced by 7 1/2 per cent and transportation equipment, up by 4 1/2 per cent. The latter group owed the major part of its advance to the continued strong gains in motor vehicles and parts production, which has more than doubled since the beginning of the current expansion. The electrical apparatus and non-ferrous metal groups recorded increases of more than 3 per cent, while the non-metallic minerals group advanced by 2 1/2 per cent. Within non-durable manufacturing, increases were shown by all major groups except textiles and petroleum products. The 4 per cent gain in foods and beverages and the 5 per cent advance in chemical products jointly accounted for about two-thirds of the increase in non-durable manufacturing. Gains of over 4 per cent were also recorded by printing and publishing and tobacco products. Rubber products were up by nearly 12 per cent.

Turning to the service-producing industries, the largest contribution to the gain in non-agricultural real output came from trade which advanced by 2 per cent, with wholesale trade contributing just over one half of the increase. Within wholesale trade, which advanced by 3 per cent, particularly strong gains were recorded by such trades as commercial, institutional and service equipment, industrial and transportation equipment and supplies, construction materials and supplies, farm machinery, household electrical appliances and footwear. Declines occurred in the sales of such wholesale trades as meat and dairy products, clothing and furnishings and coal and coke. Within retail trade, gains were more widespread. However, almost one-third of the one and a half per cent increase in total retail trade came from the motor vehicle dealer component, which has been the most rapidly expanding component of retail trade during the current expansion. Among other trades, fairly strong advances occurred in the sales of farm implement dealers, lumber and building material dealers and shoe stores, which parallel the increased sales of similar trades at the wholesale level. However, at the retail level substantial gains were also recorded by fuel dealers, jewellery stores, general stores and farm feed stores. Department stores and men's clothing stores showed a marginal decline.

COMPARISON OF PUBLIC ADMINISTRATION AND DEFENCE, WITH FINANCE, INSURANCE AND REAL ESTATE, AND COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE, BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)

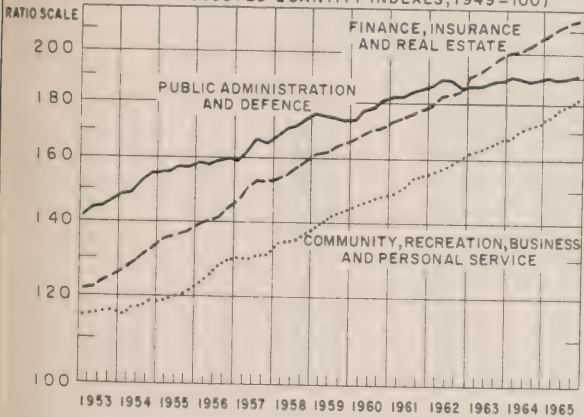
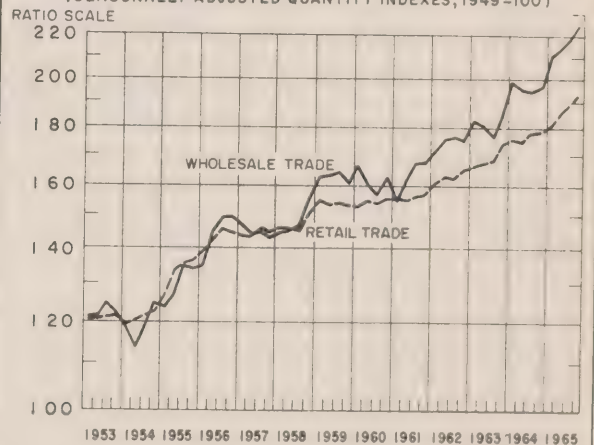


CHART-3

COMPARISON OF WHOLESALE WITH RETAIL TRADE, BY QUARTERS, 1953-65

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



Within transportation, storage and communication, which advanced by about 2 per cent, most of the increase came from the 2 per cent gain in the transportation component. Storage showed no change in the fourth quarter, while communication advanced by 3 per cent, largely as a result of increases in the post office component from very low third quarter levels. Within transportation, the increase came from gains in rail, air and water transport. Rail transport made the largest single contribution

to the fourth quarter advance in transportation. Air and water transport, however, showed higher percentage increases from third quarter levels. Offsetting movements were recorded by the other components of transportation, with increases in interurban passenger transport and truck transport, and declines in such components as urban passenger transport and oil and gas pipelines. The latter decline coincided with drops in crude petroleum mining and decreased output of the strike-affected petroleum products industry.

Among the remaining service-producing industries, public administration and defence showed a fractional advance, following a decline earlier in the year. This industry has shown little growth during the past three years, remaining at roughly the same level of output throughout the period. It is still only slightly above the level first achieved during the second quarter of 1962. Most of the increase in the current quarter came from the provincial government component.

The community, recreation, business and personal service group increased by just over one per cent in the fourth quarter, with all four components contributing to this increase. The largest contributor was the personal service component, although business services showed the highest quarter to quarter gain, more or less in line with the increase in such cyclically sensitive industries as transportation, trade and manufacturing. Laundries and restaurants were among the personal service industries to show the largest increases in the fourth quarter.

Turning to developments for the year 1965 as a whole, the index of gross domestic product less agriculture for 1965 was 6 1/2 per cent above the level of the previous year, with manufacturing contributing over one-third of this gain. Most major industry groupings showed increases well above their post-war average rates of growth. The exceptions were the primary industries and the public administration and defence and the finance, insurance and real estate groups from among the service-producing industries. The largest year to year gains were recorded by durable manufacturing, electric power and gas utilities and wholesale trade, all of which increased by about 10 per cent in 1965. Gains of about 8 per cent occurred in construction and transportation, while non-durable manufacturing and retail trade advanced by 5 1/2 and 6 per cent, respectively.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Gross Domestic Product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3,245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1962 - 1	173.5	146.9	144.1	280.4	194.2	221.8	471.8	160.5	162.8
2	175.5	141.7	123.6	287.7	205.3	224.1	463.0	164.1	165.3
3	176.8	140.4	131.4	291.1	199.6	227.4	488.3	166.5	165.4
4	178.0	143.6	130.0	290.6	192.0	213.7	505.0	168.5	165.9
1963 - 1	180.9	148.8	122.4	290.3	194.6	215.4	503.7	170.3	168.8
2	182.4	137.8	134.6	293.0	198.2	219.8	502.3	172.6	171.7
3	183.3	149.4	130.0	290.6	188.2	233.1	512.0	173.1	172.5
4	190.0	161.4	121.1	306.6	199.3	240.5	539.2	180.4	177.1
1964 - 1	195.7	161.4	131.1	329.5	219.5	324.8	538.0	186.0	180.7
2	194.9	153.3	115.9	325.5	213.1	317.8	551.3	186.9	183.4
3	196.9	166.4	119.7	318.5	202.5	320.0	548.3	189.3	183.7
4	200.9	156.3	136.9	335.3	212.2	339.2	572.3	192.7	190.3
1965 - 1	205.1	168.7	124.5	346.4	226.1	395.9	564.1	197.5	190.1
2	207.5	174.0	117.1	339.4	214.5	377.7	575.2	199.6	191.1
3	211.3	155.0	116.8	351.6	212.9	383.8	618.1	204.7	196.0
4	216.3	157.3	123.6	355.4	221.1	419.8	596.3	211.3	201.2
Without seasonal adjustment									
1962	175.8	140.5	130.4	287.4	197.7	222.5	480.8	164.9	164.8
1963	184.1	149.4	125.2	294.4	193.8	228.1	513.6	173.9	172.2
1964	196.9	159.3	123.6	326.5	210.7	324.9	554.7	188.2	184.5
1965	209.7	160.4	120.4	347.1	216.5	393.2	588.7	203.0	194.2
1962 - 1	161.7	117.2	74.9	277.5	180.6	210.4	515.4	155.7	156.6
2	177.9	126.4	127.8	283.7	204.9	228.7	444.3	168.0	166.1
3	181.8	163.8	189.6	300.8	214.2	227.5	472.1	166.0	167.8
4	181.9	154.5	129.4	287.6	191.3	223.6	491.4	169.7	168.7
1963 - 1	169.2	123.7	78.0	283.6	175.6	204.7	547.3	164.6	161.6
2	184.9	129.1	136.9	290.9	202.4	224.5	479.5	176.4	171.8
3	188.0	175.8	168.4	298.0	199.9	232.3	493.8	172.3	175.4
4	194.1	169.0	117.5	304.9	197.4	250.9	533.8	182.4	180.2
1964 - 1	183.4	138.5	78.6	317.9	198.1	286.4	588.3	180.6	174.2
2	197.8	135.9	118.3	327.8	224.3	328.2	526.9	191.5	183.8
3	200.6	195.7	168.2	326.9	214.7	328.5	528.8	185.9	186.2
4	205.6	166.9	129.3	333.4	205.6	356.7	547.4	195.0	193.7
1965 - 1	193.5	144.3	74.7	333.4	202.3	342.5	615.7	192.6	183.1
2	209.8	151.5	118.1	339.6	222.9	392.0	547.8	204.2	191.2
3	213.8	184.8	163.7	357.6	223.7	394.3	590.5	200.2	197.6
4	221.6	161.0	125.2	357.7	219.2	444.0	600.9	214.9	205.3

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing (1)	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1962 - 1	159.3	205.1	154.0	128.6	142.3	106.2	157.7	152.1
2	162.1	201.2	167.7	126.2	145.1	111.6	158.1	155.0
3	157.5	203.3	169.9	126.4	150.5	112.9	161.0	154.5
4	158.3	206.2	176.7	125.4	150.6	114.0	159.6	152.9
1963 - 1	164.0	213.6	190.8	127.2	151.4	134.8	157.4	152.9
2	161.6	211.8	189.8	125.8	157.0	136.9	162.7	157.1
3	161.2	202.9	185.2	124.1	161.2	135.5	165.7	158.4
4	165.5	203.9	195.4	129.7	167.9	141.8	169.8	157.7
1964 - 1	170.7	195.8	210.3	128.8	168.0	133.0	174.4	162.1
2	173.6	213.3	214.8	131.7	172.6	132.0	176.4	172.0
3	172.0	223.6	208.0	131.3	172.1	138.2	179.2	158.8
4	181.7	223.5	217.2	131.4	173.8	139.5	185.7	165.6
1965 - 1	180.1	219.1	210.9	127.9	179.0	137.0	186.7	171.2
2	176.9	221.6	210.1	125.3	179.5	139.3	187.6	174.5
3	180.1	220.4	213.7	127.3	193.6	143.4	191.4	174.0
4	187.4	231.0	239.2	129.5	191.0	144.1	195.2	182.2
	Without seasonal adjustment							
1962	158.9	203.7	167.6	126.7	146.6	111.0	159.1	154.0
1963	162.1	207.7	190.5	127.0	159.5	137.0	164.3	156.7
1964	174.1	214.0	213.8	130.9	172.2	135.8	179.0	164.6
1965	180.2	224.4	219.8	127.9	185.3	140.2	190.1	175.2
1962 - 1	134.3	202.3	157.5	137.2	147.7	111.3	153.5	151.4
2	160.9	215.2	173.9	128.6	148.6	106.9	160.5	156.4
3	176.0	191.8	156.6	117.3	136.4	112.9	161.3	150.0
4	164.6	205.6	182.4	123.7	153.5	113.0	161.1	158.1
1963 - 1	138.0	213.1	192.5	136.5	156.6	135.4	153.4	151.6
2	161.5	224.4	200.7	127.5	161.7	124.3	164.3	158.7
3	177.1	188.8	168.6	116.2	148.3	145.2	167.0	153.8
4	172.0	204.3	200.2	127.7	171.5	143.2	172.4	162.7
1964 - 1	147.1	195.5	215.8	139.0	171.9	133.6	170.0	158.5
2	172.7	226.6	230.4	133.2	178.7	117.2	178.0	174.7
3	188.1	211.1	186.5	122.3	159.6	148.2	180.8	155.3
4	188.6	222.9	222.4	129.2	178.5	144.0	187.1	169.9
1965 - 1	154.5	220.6	219.4	137.6	182.2	136.5	182.2	167.1
2	176.2	237.2	224.7	126.5	185.2	120.4	188.5	178.2
3	196.0	210.4	189.5	118.8	177.8	155.9	192.0	168.4
4	194.7	229.4	245.5	128.8	196.0	148.1	197.5	186.9

(1) An explanation of the discontinuity in the Clothing index is contained in the March, 1964 issue of this report (page 2, note 2).

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1962 - 1	269.7	232.7	231.8	157.7	148.5	144.8	141.5	151.3
2	263.8	237.3	234.3	162.7	149.4	149.5	151.0	150.2
3	267.2	232.7	240.9	167.8	153.3	156.8	160.7	149.1
4	287.7	228.2	241.2	171.5	157.9	157.7	169.9	144.9
1963 - 1	289.7	238.1	241.9	172.1	157.4	160.1	172.6	146.4
2	293.5	249.9	249.0	173.6	157.1	160.6	173.6	150.3
3	301.2	250.8	249.1	173.7	157.1	158.2	177.4	149.7
4	306.4	259.1	246.5	184.2	165.0	168.2	202.0	149.8
1964 - 1	304.6	274.5	256.7	192.2	167.3	177.4	207.5	156.7
2	306.3	269.7	261.2	191.1	162.2	180.4	201.1	161.7
3	303.0	278.3	266.2	195.7	164.4	181.7	217.3	159.3
4	308.6	295.6	263.0	195.5	168.1	191.5	179.6	168.6
1965 - 1	317.3	286.9	265.6	206.3	166.6	192.0	221.2	169.8
2	316.8	299.3	269.6	209.4	169.3	195.9	230.4	170.2
3	317.4	309.3	276.5	214.9	168.2	203.1	243.1	172.8
4	311.8	324.9	277.9	223.1	180.9	207.1	253.9	180.0
	Without seasonal adjustment							
1962	272.8	233.2	237.2	165.0	151.5	152.1	156.7	148.9
1963	296.0	249.1	246.6	175.9	159.0	161.8	181.4	148.8
1964	304.2	279.0	261.9	192.7	165.1	182.4	198.5	162.0
1965	316.5	304.9	272.6	213.2	171.0	199.4	236.6	173.4
1962 - 1	273.1	229.0	224.8	154.8	146.8	139.1	153.9	150.6
2	253.9	245.4	228.9	170.2	152.0	154.8	178.0	149.9
3	275.3	233.3	242.3	164.0	162.7	158.5	121.9	147.9
4	288.6	225.3	252.7	170.9	144.6	155.8	172.9	147.2
1963 - 1	291.2	234.2	234.2	168.2	156.0	153.5	182.6	146.7
2	276.8	259.3	241.6	181.7	159.5	166.6	203.1	148.9
3	309.3	250.4	251.2	168.6	167.6	161.7	129.6	147.6
4	306.7	252.7	259.4	184.9	153.1	165.2	210.3	152.2
1964 - 1	306.3	273.4	247.5	188.2	168.3	170.4	222.1	156.4
2	290.3	281.3	254.7	200.4	162.4	186.4	236.2	163.4
3	308.0	272.2	269.7	185.6	172.8	182.7	149.4	158.0
4	312.2	289.0	275.6	196.4	156.9	189.9	186.2	170.0
1965 - 1	320.8	288.1	257.2	203.8	168.5	186.3	241.4	169.9
2	300.1	311.9	264.4	219.5	169.3	203.8	265.6	172.6
3	325.8	299.0	281.1	203.3	177.0	202.5	171.3	169.8
4	319.5	320.6	287.7	226.2	169.4	205.0	268.1	181.2

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6,528	0,230	14.562	4.995
	Seasonally adjusted								
1962 - 1	206.6	227.4	172.1	335.7	179.8	167.8	202.8	164.2	171.3
2	211.2	242.7	173.8	337.7	177.2	165.4	161.0	166.7	175.7
3	213.1	242.6	169.8	343.4	179.8	167.3	180.1	166.7	176.8
4	221.3	248.2	170.4	339.0	181.5	166.8	231.8	168.4	175.5
1963 - 1	220.0	236.7	172.0	352.1	188.3	175.7	217.2	171.1	182.0
2	223.4	242.0	174.4	359.2	187.8	174.1	202.8	171.5	180.6
3	222.1	246.5	169.8	369.8	190.5	176.2	230.7	171.5	177.9
4	228.6	247.5	180.6	390.2	201.0	188.8	253.6	177.3	185.0
1964 - 1	231.0	285.2	195.8	390.6	204.5	191.9	233.7	184.7	199.9
2	237.0	265.6	181.7	399.7	208.9	195.8	259.3	181.9	195.5
3	240.6	271.3	183.5	409.1	210.7	197.1	252.8	183.8	195.4
4	248.5	300.6	199.1	427.6	213.8	201.0	215.4	185.6	197.7
1965 - 1	258.9	313.5	203.9	436.3	217.0	203.9	208.8	191.1	211.2
2	269.3	286.4	207.6	433.7	220.6	207.9	224.2	195.5	213.6
3	267.3	296.0	211.9	445.3	226.8	214.4	241.1	199.4	218.2
4	276.9	303.8	219.6	478.2	231.9	219.0	241.1	203.6	224.7
	Without seasonal adjustment								
1962	212.9	240.9	171.0	337.7	179.2	166.4	192.9	166.8	174.9
1963	223.5	243.0	173.6	367.4	192.0	178.8	227.1	173.2	181.6
1964	239.2	277.6	190.4	405.6	209.3	196.4	239.6	183.8	197.2
1965	267.9	299.3	206.7	448.2	224.8	212.2	230.4	197.6	217.1
1962 - 1	203.3	180.3	109.0	374.9	161.8	145.4	164.5	148.4	167.0
2	205.3	249.3	175.8	328.5	181.4	171.5	173.1	173.6	187.3
3	213.5	279.8	215.5	298.7	190.4	182.0	192.0	163.0	170.7
4	229.4	254.0	183.5	348.7	183.1	166.5	241.8	182.3	174.5
1963 - 1	216.2	184.3	109.5	395.6	170.6	153.6	181.4	156.4	181.0
2	216.5	250.1	176.7	349.2	192.4	180.9	212.6	177.9	190.4
3	222.0	283.7	214.2	324.6	203.2	193.8	240.8	165.9	168.5
4	239.2	253.9	194.1	400.2	201.8	186.8	273.4	192.4	186.4
1964 - 1	227.1	213.2	127.5	439.2	186.4	169.6	196.9	170.0	202.3
2	229.8	275.2	188.1	387.5	213.0	202.1	257.7	188.4	206.2
3	238.7	316.5	230.2	357.0	222.6	214.4	261.9	175.9	182.5
4	261.3	305.6	215.8	438.5	215.3	199.6	242.0	200.9	197.8
1965 - 1	255.9	235.6	138.1	491.3	198.7	181.4	174.0	177.8	217.1
2	262.1	296.0	203.9	421.9	226.0	215.8	222.1	203.0	226.8
3	264.1	343.3	250.8	386.7	240.2	233.2	254.4	189.8	201.1
4	289.4	322.3	234.1	493.0	234.2	218.5	271.2	220.0	223.5

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46,920	81.015	8,271	32.231
Seasonally adjusted									
1962 - 1	160.4	179.7	186.7	156.0	176.9	170.4	172.4	184.2	181.5
2	162.0	182.8	189.9	156.8	179.6	171.9	174.4	186.9	185.5
3	161.5	183.3	189.3	159.3	181.0	172.9	175.7	187.8	188.1
4	164.7	185.5	185.7	160.5	182.4	174.1	177.1	186.9	189.5
1963 - 1	165.4	190.1	186.6	162.7	184.6	177.6	180.2	187.5	191.7
2	166.7	192.9	187.7	164.4	186.6	178.6	181.7	189.4	194.2
3	168.2	195.9	189.2	165.6	186.9	180.1	182.6	191.2	195.0
4	173.3	198.9	189.2	167.1	195.8	184.7	189.7	192.3	203.8
1964 - 1	176.7	200.6	190.3	168.4	203.7	188.3	195.8	193.9	210.9
2	174.8	201.6	190.0	170.2	201.7	188.8	194.9	194.9	211.7
3	177.8	203.7	189.3	172.0	204.0	190.4	197.0	195.5	213.5
4	179.2	206.4	189.5	173.3	210.3	192.4	201.4	196.1	219.0
1965 - 1	180.7	208.1	190.4	175.1	215.8	195.5	206.0	197.1	224.7
2	186.0	211.4	189.9	178.0	217.2	198.7	208.5	197.7	225.6
3	189.6	213.4	190.6	180.0	221.7	201.9	212.5	199.1	231.8
4	192.6	214.3	191.8	182.1	228.9	204.9	217.9	200.5	239.4
Without seasonal adjustment									
1962	162.6	182.9	187.9	158.2	179.7	172.4	174.8	186.5	186.0
1963	168.8	194.5	188.1	165.0	188.2	180.4	183.6	188.7	195.9
1964	176.8	203.0	189.8	171.0	204.6	189.9	197.0	195.1	213.3
1965	187.5	211.9	190.7	178.8	219.9	200.5	210.8	198.6	230.0
1962 - 1	138.7	176.7	181.5	151.8	163.2	160.3	159.7	181.0	179.2
2	166.5	183.8	189.8	157.4	181.0	175.1	177.0	187.0	187.8
3	158.9	186.7	195.5	163.2	188.5	175.7	180.8	191.5	186.4
4	186.4	184.4	184.9	160.6	185.8	178.4	181.5	186.4	190.7
1963 - 1	143.6	186.5	181.0	158.3	170.9	167.6	167.8	182.8	188.4
2	171.4	194.4	188.0	164.4	188.3	181.8	184.5	188.3	196.7
3	164.5	199.3	196.0	170.0	193.7	182.9	187.4	193.9	192.7
4	195.6	197.7	187.5	167.1	199.7	189.1	194.6	189.7	205.8
1964 - 1	153.1	196.9	183.8	164.1	189.2	178.2	182.8	189.8	207.7
2	179.1	202.8	190.3	170.3	204.5	191.8	198.1	195.2	215.2
3	172.5	206.9	197.1	176.3	209.6	192.5	200.7	200.2	208.8
4	202.5	205.3	187.9	173.5	215.0	197.1	206.7	195.1	221.3
1965 - 1	157.2	204.4	183.7	170.5	202.1	185.7	193.5	192.9	222.1
2	190.6	212.5	190.6	178.1	218.2	202.3	211.0	198.3	229.0
3	183.8	216.7	198.6	184.5	224.9	203.7	214.8	204.0	225.6
4	218.2	214.0	189.8	182.2	234.3	210.1	223.9	199.2	243.5

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

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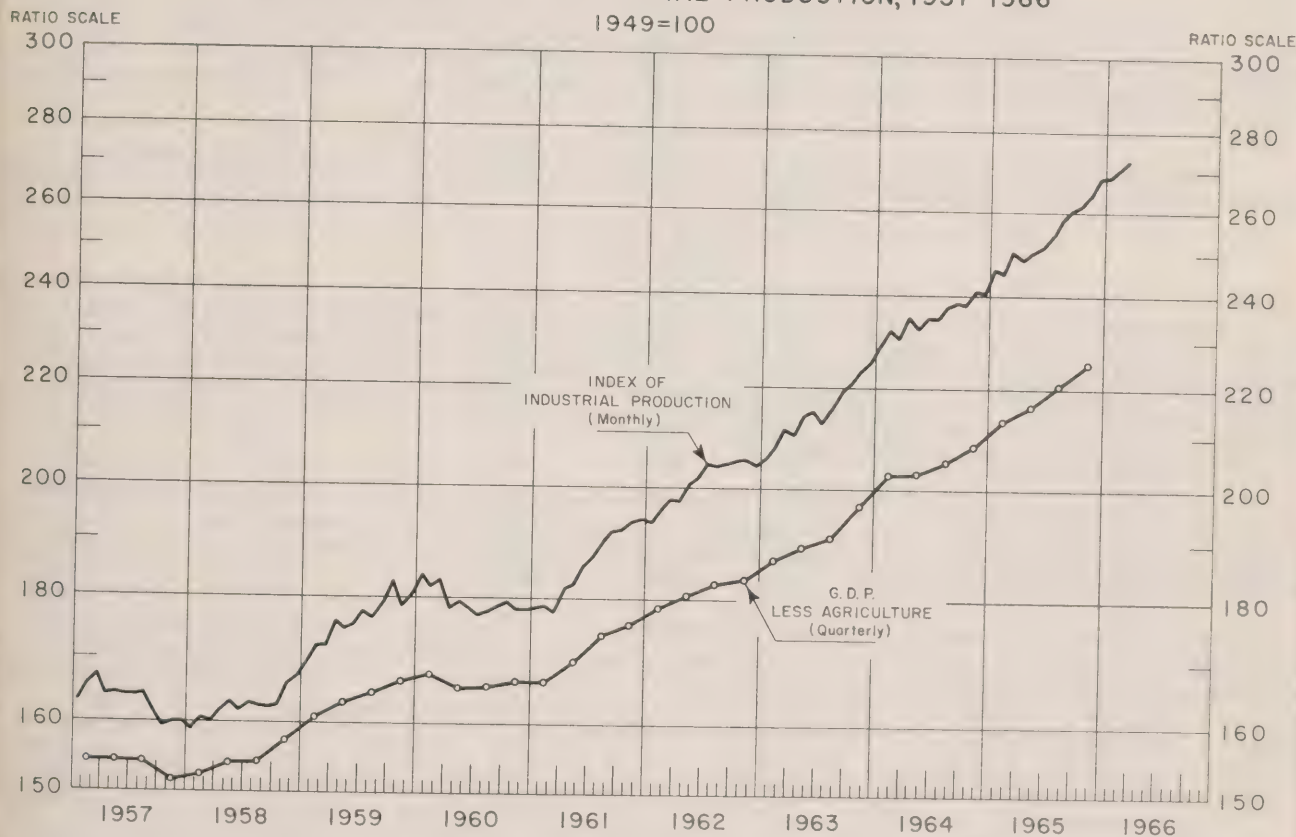
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MARCH 1966

The seasonally adjusted index of industrial production advanced by 0.8 per cent in March.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966

1949=100



PLEASE SEE SPECIAL NOTE ON PAGE 2.

June 1966
2205-502

Industrial Output Section
National Accounts and Balance of Payments Division

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

MARCH INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production (See Special Note Below) rose by 0.8 per cent to 272.9 in March from the February level of 270.6. The latest gain was the result of contributions by all three components, as mining and manufacturing each advanced by 0.7 per cent, and electric power and gas utilities showed an increase of 2.4 per cent.

Based on the latest revised figures these March movements yield changes from the 4th quarter of 1965 to the first quarter of 1966, on a seasonally adjusted basis, as follows: the total Index of Industrial Production (+2.3%), manufacturing (+2.0%), durable (+1.9%), non-durable (+2.2%), mining (+2.2%), electric power and gas utilities (+4.4%).

Returning to March, in mining the gain was the resultant of a 1.4 per cent gain in fuels and a 3.8 per cent gain in non-metals, as metal mining fell by 0.6 per cent. In fuel mining the increase was entirely due to petroleum as both coal and natural gas fell. In non-metals, the rise was attributable to an 8 per cent rise in asbestos as other non-metals fell. The fall in metal mining was primarily due to a substantial 16 per cent drop in iron ore production.

Both non-durables and durables contributed to the gain in manufacturing in March, rising by 1.1 and 0.2 per cent respectively.

In non-durables, in March, the majority of the industries registered increases as only tobacco products, chemical and allied products, and miscellaneous manufactures fell by other than marginal amounts.

In durables, the gains in wood products, non-ferrous metal products, and non-metallic mineral products of 2, 1, and 4 per cent respectively were largely offset by drops in iron and steel products, transportation equipment, and electrical apparatus and supplies. In iron and steel products the decline was largely due to labor disputes in the iron castings industry. Primary iron and steel rose by 3.3 per cent.

The rise in electric power and gas utilities was entirely due to a 4 per cent increase in electric power, as gas fell by about the same amount.

SPECIAL NOTE

Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and current data will be published in the April issue of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965			1966		
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
INDEX OF INDUSTRIAL PRODUCTION	32.231	261.6	264.0	268.6	268.9	270.6	272.9
MINING	3.245	362.2	377.8	385.0	372.7	387.1	390.0
Metals	1.925	239.5	258.0	270.6	264.0	264.3	262.8
Gold	0.575	79.6	77.5	79.0	75.1	81.4	77.6
Copper	0.352	179.3	196.9	200.2	193.6	198.5	198.9
Iron ore	0.099	1,268.8	1,442.8	1,507.4	1,604.6	1,465.2	1,234.9
Nickel	0.333	206.4	208.6	212.2	207.9	193.1	217.9
Non-metals	0.268	404.3	390.0	410.3	413.0	417.4	433.1
Asbestos	0.189	278.4	256.6	281.5	290.7	294.7	319.0
Fuels	0.915	593.6	609.9	601.7	576.1	614.1	622.5
Coal	0.553	53.9	57.5	55.7	54.5	58.2	54.2
Natural gas	0.035	1,498.5	1,520.1	1,457.2	1,573.3	1,504.6	1,497.6
Petroleum	0.327	1,409.4	1,446.7	1,433.6	1,351.3	1,458.8	1,490.0
MANUFACTURING, TOTAL	27.340	237.1	237.6	242.5	243.3	243.5	245.1
NON-DURABLE MANUFACTURES	14.742	230.2	229.1	234.7	235.5	235.9	238.4
Foods and beverages	3.814	195.8	196.8	200.1	199.4	199.6	201.6
Foods	2.896	188.9	188.9	192.8	194.6	191.2	193.2
Meat products	0.523	197.3	193.3	189.0	183.6	185.9	198.8
Dairy products	0.450	197.2	196.9	200.6	200.2	202.7	202.7
Canning and processing	0.453	190.9	193.0	213.8	217.9	202.0	206.2
Grain mill products	0.322	199.6	199.3	205.6	212.5	207.2	195.3
Bakery products	0.558	150.9	150.8	151.3	150.4	150.5	150.9
Miscellaneous foods	0.590	203.7	206.2	206.5	214.2	210.9	210.0
Beverages	0.918	217.5	221.5	223.1	214.6	224.7	227.9
Carbonated beverages	0.231	185.2	187.5	199.7	187.9	217.9	193.9
Breweries	0.463	191.1	198.2	188.5	202.4	200.6	193.2
Distilleries	0.203	309.3	311.4	326.5	275.2	290.3	349.8
Tobacco and tobacco products ..	0.248	247.7	246.7	250.0	265.5	270.5	267.5
Rubber products	0.430	251.3	247.1	261.5	265.2	260.3	263.4
Leather products	0.508	137.5	136.7	138.5	135.2	134.1	136.0
Boots and shoes	0.307	139.1	137.0	139.3	133.9	131.9	133.9
Textiles	1.623	230.4	222.0	235.4	235.3	227.9	230.9
Cotton goods	0.507	151.2	140.0	161.3	162.3	147.8	148.2
Woollen goods	0.300	93.0	86.1	91.6	88.2	91.4	94.9
Synthetic Textiles and Silk	0.429	419.9	403.7	424.4	427.9	412.9	420.4
Clothing	1.801	175.2	176.5	179.9	173.3	172.3	177.9
Paper products	2.649	203.1	200.5	204.6	212.5	217.5	217.5
Pulp and paper	2.108	196.8	193.2	197.8	206.9	213.7	213.7

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965			1966		
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	228.7	234.8	238.0	236.8	234.8	243.4
Products of petroleum and coal	0.513	350.3	338.8	348.1	339.5	356.9	367.2
Petroleum products	0.454	380.7	367.6	378.0	368.1	387.2	399.5
Chemicals and allied products	1.359	362.6	360.9	370.5	373.0	373.3	371.9
Acids, alkalies, salts and fertilizers	0.346	493.2	497.4	534.0	516.5	506.1	503.8
Miscellaneous manufactures	0.524	413.6	416.1	418.0	426.9	425.1	424.4
DURABLE MANUFACTURES	12.598	245.0	247.5	251.6	252.5	252.5	253.0
Wood products	2.108	187.2	188.6	196.0	186.6	183.1	186.4
Saw and planing mills	1.444	189.0	189.9	199.7	185.3	180.1	184.3
Veneers and plywoods	0.122	421.1	424.5	425.2	459.2	434.4	
Sawmills	0.994	183.7	184.5	198.4	174.3	171.4	179.5
Furniture	0.460	221.1	224.0	226.4	229.9	230.4	232.0
Iron and steel products	4.026	246.3	246.3	250.1	257.4	256.7	255.8
Machinery	0.851	258.2	260.0	262.0	269.1	272.2	273.4
Iron castings	0.387	228.5	234.5	262.8	259.8	233.3	188.2
Primary iron and steel	0.845	328.5	323.8	324.5	335.2	341.6	352.9
Sheet metal products	0.359	279.4	279.5	280.1	286.4	289.1	289.8
Transportation equipment	2.651	267.4	270.8	271.4	273.0	277.1	274.0
Aircraft and parts	0.203	318.4	333.8	348.7	365.4	371.0	370.7
Motor vehicles	1.035	378.4	377.3	373.3	383.1	392.5	383.8
Motor vehicle parts	0.462	345.1	360.1	364.1	344.9	346.0	347.8
Railway rolling stock	0.621	62.4	62.4	62.9	62.7	62.9	63.0
Shipbuilding and repairs	0.261	164.7	167.5	169.3	167.1	164.5	163.0
Non-ferrous metal products	1.601	190.8	194.5	193.0	195.8	192.1	194.0
Brass and copper products ...	0.241	180.4	181.7	183.2	178.5	174.3	178.2
Smelting and refining	1.028	187.9	192.5	189.2	194.4	189.3	190.8
Electrical apparatus and supplies	1.418	322.9	328.5	342.0	333.0	337.8	337.0
Heavy electrical machinery ..	0.489	249.3	253.4	255.4	260.4	263.7	265.3
Telecommunication equipment	0.142	829.6	891.8	1,006.4	814.0	833.4	857.9
Refrigerators and appliances	0.227	323.4	307.5	313.3	347.5	347.2	328.3
Non-metallic mineral products	0.794	287.9	294.4	298.3	304.2	302.5	314.5
Concrete products	0.098	853.9	879.3	90.53	912.2	977.0	987.4
Hydraulic cement	0.117	296.0	307.7	306.1	323.1	323.8	389.5
Domestic clay products	0.083	142.9	142.7	153.9	163.4	152.9	144.0
ELECTRIC POWER AND GAS UTILITIES	1.646	471.2	478.0	471.6	488.9	491.2	503.2
Electric power	1.480	428.4	433.0	429.4	452.4	449.8	467.7
Gas	0.166	852.9	879.3	847.4	813.9	860.5	819.6

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	239.8	247.1	250.7	262.0	268.5	273.2
MINING	346.4	365.6	358.3	344.5	351.8	360.4	375.9	377.8
Metals	245.7	249.5	240.5	224.0	236.8	228.2	241.4	244.7
Gold	85.9	80.6	83.9	81.3	79.7	73.4	79.8	75.8
Copper	187.8	195.6	185.1	183.9	185.5	185.1	185.8	191.3
Iron ore	1,185.3	1,236.8	847.7	846.7	921.7	1,010.9	986.1	938.5
Nickel	181.0	209.9	213.5	209.9	219.2	207.9	201.0	223.6
Non-metals	312.8	377.2	313.7	322.2	343.1	372.0	384.5	413.4
Asbestos	259.9	269.4	233.0	258.8	269.4	256.7	283.2	314.9
Fuels	557.7	592.8	636.7	618.4	604.5	650.5	665.1	652.2
Coal	55.1	56.3	70.4	64.7	62.2	65.9	66.4	56.5
Natural gas	1,382.3	1,476.4	1,678.5	1,651.7	1,619.1	1,825.0	1,715.2	1,651.9
Petroleum	1,319.2	1,405.5	1,482.9	1,444.1	1,413.1	1,513.4	1,565.3	1,552.6
MANUFACTURING, TOTAL	211.9	230.1	210.6	220.1	225.0	232.7	237.7	244.1
NON-DURABLE MANUFACTURES	211.2	224.1	204.6	216.0	215.6	221.5	224.8	234.9
Foods and beverages	185.6	193.1	162.3	167.6	169.6	167.7	178.5	179.4
Foods	180.6	187.4	164.1	164.6	165.3	172.1	172.3	171.8
Meat products	182.6	192.3	200.2	186.3	188.4	191.7	187.6	194.8
Dairy products	189.6	196.0	156.3	164.9	178.2	162.4	172.3	186.3
Canning and processing	190.0	197.2	107.7	117.0	112.7	119.4	122.3	116.2
Grain mill products	184.1	189.3	184.8	193.0	183.2	215.9	219.4	200.9
Bakery products	151.3	151.7	147.5	145.3	144.5	144.9	143.2	143.0
Miscellaneous foods	190.6	201.9	185.8	184.7	185.2	204.3	198.8	194.7
Beverages	201.3	211.0	156.5	176.9	183.4	153.9	198.0	203.3
Carbonated beverages	181.0	186.2	138.4	181.1	143.1	143.0	207.0	149.9
Breweries	185.7	191.1	137.6	147.0	192.8	125.5	166.9	193.2
Distilleries	262.1	284.8	220.0	243.9	212.7	230.6	264.2	293.8
Tobacco and tobacco products	232.1	243.4	226.5	247.6	243.7	251.2	279.4	272.9
Rubber products	232.8	237.4	208.4	272.4	236.0	249.3	307.2	272.6
Leather products	137.3	135.2	139.0	147.2	147.4	136.7	147.5	148.0
Boots and shoes	136.9	134.3	138.6	151.7	153.2	135.2	151.6	153.6
Textiles	203.3	220.6	204.1	228.9	215.4	229.4	247.3	238.3
Cotton goods	141.2	149.7	144.4	173.1	161.2	160.4	171.4	155.6
Woollen goods	91.2	89.6	84.7	84.8	85.7	84.7	91.7	91.0
Synthetic textiles and silk	338.4	391.3	345.1	408.5	367.6	412.5	462.5	445.6
Clothing	163.4	171.2	169.4	172.4	173.8	177.1	179.2	182.0
Paper products	186.3	198.3	179.6	192.0	197.6	197.5	213.4	218.7
Pulp and paper	182.0	192.8	176.2	191.2	195.7	192.0	212.0	216.9

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	200.4	218.5	217.8	222.3	234.8	243.
Products of petroleum and coal	330.1	345.9	361.3	350.2	336.8	355.0	369.4	362.
Petroleum products	357.9	375.5	392.6	381.3	365.1	385.8	401.9	394.
Chemicals and allied products	312.7	344.7	315.2	327.4	335.9	362.2	379.4	377.
Acids, alkalies, salts and fertilizers	416.5	469.0	423.2	461.9	463.2	506.2	535.0	531.
Miscellaneous manufactures	386.5	407.3	382.0	380.1	385.6	410.7	408.1	410.
DURABLE MANUFACTURES	212.7	237.2	217.6	224.9	236.0	245.8	252.8	254.
Wood products	174.3	181.7	168.1	183.7	183.7	177.3	191.5	192.
Saw and planing mills	180.0	182.8	169.5	191.8	189.3	173.8	195.1	196.
Veneers and plywoods	397.7	403.8	401.4	428.2	420.0	459.7	466.5	
Sawmills	172.8	177.1	160.2	189.5	186.8	159.3	190.9	195.
Furniture	192.6	216.3	198.0	199.9	206.7	225.1	223.5	225.
Iron and steel products	215.2	239.1	215.7	220.5	230.8	242.9	249.3	253.
Machinery	213.1	248.1	229.9	229.5	233.7	265.6	266.2	268.
Iron castings	199.3	218.9	188.3	205.1	234.2	240.8	235.9	200.
Primary iron and steel	291.2	320.0	277.7	291.2	310.6	309.4	327.9	350.
Sheet metal products	248.1	274.2	247.3	243.9	249.6	267.2	268.6	273.
Transportation equipment	210.5	250.0	241.0	245.9	277.2	295.9	300.7	300.
Aircraft and parts	336.3	319.3	340.8	333.0	334.4	372.3	374.0	374.
Motor vehicles	274.2	347.6	334.4	346.0	417.2	433.7	448.2	445.
Motor vehicle parts	262.2	317.2	291.5	298.6	312.3	362.1	359.8	361.
Railway rolling stock	58.9	62.6	61.6	60.7	61.7	62.3	61.8	62.
Shipbuilding and repairs	148.7	161.9	152.5	153.9	163.6	161.4	158.4	163.
Non-ferrous metal products	174.2	186.9	177.7	181.8	187.9	193.3	193.5	197.
Brass and copper products ...	155.6	162.7	164.0	162.0	163.1	182.6	181.8	181.
Smelting and refining	176.5	188.9	179.4	187.1	194.9	190.5	191.8	196.
Electrical apparatus and supplies	279.1	319.2	298.5	305.7	307.3	326.7	336.6	330.
Heavy electrical machinery ..	213.0	241.6	228.1	227.5	228.8	260.7	260.3	260.
Telecommunication equipment	744.5	895.1	867.9	892.2	838.0	813.2	863.4	815.
Refrigerators and appliances	274.9	301.9	259.2	290.6	316.6	315.2	345.8	337.
Non-metallic mineral products	268.2	286.9	217.3	228.4	232.9	236.3	243.7	256.
Concrete products	814.1	858.0	515.1	544.1	612.0	547.3	654.6	710.
Hydraulic cement	277.5	298.8	189.8	192.5	220.2	206.8	220.2	271.
Domestic clay products	138.3	142.8	117.6	111.5	119.6	134.0	122.3	121.
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	491.4	503.5	478.9	555.4	567.0	549.
Electric power	371.5	408.8	425.3	429.5	417.6	489.9	485.8	490.
Gas	711.0	800.6	1,080.7	1,163.4	1,025.1	1,139.5	1,290.8	1,076.

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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

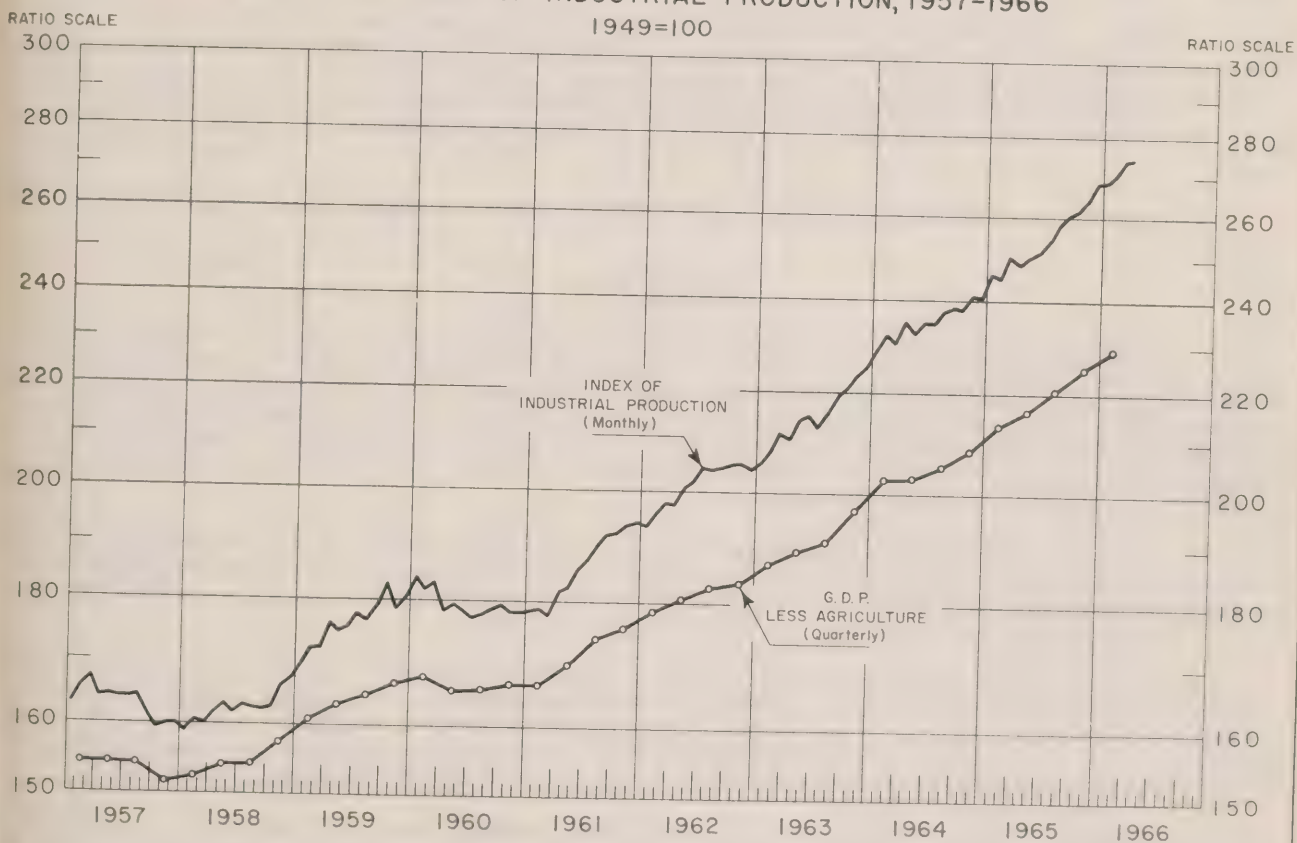
APRIL 1966

The seasonally adjusted index of industrial production advanced by 0.1 per cent in April.

Non-agricultural real output increased by 2.0 per cent in the first quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966

1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the first quarter of 1966.

National Accounts and Balance of Payments Division
Industrial Output Section

June 1966
61-005-502

APRIL INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production advanced marginally in April to 274.2, a gain of 0.1 per cent from the revised March level of 274.0. The advance was the result of gains in mining (+0.4%) and manufacturing (+0.2%) and a decline in electric power and gas utilities (-1.5%). The advance in manufacturing was wholly due to a 0.8 per cent rise in durables, as non-durables fell by 0.4 per cent.

In durable manufacturing much of the increase was due to an export-sparked advance of 4.1 per cent in electrical apparatus and supplies. In non-ferrous metal products, which also registered a 4 per cent gain, practically the entire gain was due to a 5 per cent rise in smelting and refining. Bo wood products (+2%) and iron and steel products (+1%) also contributed to the rise in durables. Saw mills were the major factor in the increase in the latter while iron castings, recovering from labor disputes in previous months, made the major contribution to the rise in the former. The 1 per cent decline in transportation equipment was almost entirely attributable to a 3 per cent drop in motor vehicles. The decrease in non-metallic mineral products centred around concrete products and hydraulic cement, both of which fell from high March levels. Primary iron and steel fell by 1.9 per cent.

On the non durables side five of the eleven major groups registered increases ranging from 1/2 to 2 per cent. These gains were, however, more than offset by declines ranging up to nearly 4 per cent in the remaining six, which resulted in a 0.4 per cent drop for non durables as a whole. The bulk of the decline occurred in textiles, paper products, and printing publishing, and allied industries. Cotton goods, affected by labor troubles, were primarily responsible for the textiles decline. Pulp and paper, falling from the high levels of the past few months, made the major contribution to the decline in paper products.

In mining, which rose by 0.4 per cent, the entire increase was centred in fuels (+5%) as metals and non-metals fell by 1 per cent and 5 per cent respectively. In metal mining nearly all components fell with the most notable exception to the general decline being the near six per cent rise in iron ore. In fuel mining gains of 5 and 7 per cent were registered by natural gas and petroleum, respectively, even though coal fell by nearly 4 per cent. In non-metals asbestos fell from its high March level.

In electric power and gas utilities both components fell, electric power by 1.7 per cent and gas by 0.4.

SPECIAL NOTE

Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966 for non-agricultural real output and its components, including the Index of Industrial Production.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components shown in Table 3 of this report have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. The revised quarterly and annual estimates are shown to the end of 1965 in the above supplement.

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data, and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965		1966			
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	32.231	264.0	268.6	268.9	271.5	274.0	274.2
MINING	3.245	377.8	385.0	372.7	387.1	390.4	392.0
Metals	1.925	258.0	270.6	264.0	264.3	262.8	260.7
Gold	0.575	77.5	79.0	75.1	81.4	77.6	74.4
Copper	0.352	196.9	200.2	193.6	198.5	198.9	186.0
Iron ore	0.099	1,442.8	1,507.4	1,604.6	1,465.2	1,234.9	1,307.2
Nickel	0.333	208.6	212.2	207.9	193.1	217.9	203.3
Non-metals	0.268	390.0	410.3	413.0	417.4	433.1	409.6
Asbestos	0.189	256.6	281.5	290.7	294.7	319.0	292.9
Fuels	0.915	609.9	601.7	576.1	614.1	622.5	652.2
Coal	0.553	57.5	55.7	54.5	58.2	54.2	52.1
Natural gas	0.035	1,520.1	1,457.2	1,573.3	1,504.6	1,497.6	1,597.1
Petroleum	0.327	1,446.7	1,433.6	1,351.3	1,458.8	1,490.0	1,565.9
MANUFACTURING, TOTAL	27.340	237.6	242.5	243.3	244.6	247.0	247.5
NON-DURABLE MANUFACTURES	14.742	229.1	234.7	235.5	236.8	240.2	239.3
Foods and beverages	3.814	196.8	200.1	199.4	200.9	203.3	204.2
Foods	2.896	188.9	192.8	194.6	192.7	194.9	197.5
Meat products	0.523	193.3	189.0	183.6	185.9	198.8	189.5
Dairy products	0.450	196.9	200.6	200.2	202.7	202.6	196.0
Canning and processing	0.453	193.0	213.8	217.9	205.0	213.1	231.1
Grain mill products	0.322	199.3	205.6	212.5	207.6	196.0	208.5
Bakery products	0.558	150.8	151.3	150.4	152.6	153.9	153.7
Miscellaneous foods	0.590	206.2	206.5	214.2	211.4	210.0	215.3
Beverages	0.918	221.5	223.1	214.6	226.7	229.7	225.6
Carbonated beverages	0.231	187.5	199.7	187.9	225.6	200.6	209.4
Breweries	0.463	198.2	188.5	202.4	200.6	193.2	202.3
Distilleries	0.203	311.4	326.5	275.2	290.3	349.8	300.1
Tobacco and tobacco products ..	0.248	246.7	250.0	265.5	270.5	267.5	261.8
Rubber products	0.430	247.1	261.5	265.2	260.3	263.4	265.4
Leather products	0.508	136.7	138.5	135.2	135.1	137.6	139.0
Boots and shoes	0.307	137.0	139.3	133.9	131.9	134.0	137.1
Textiles	1.623	222.0	235.4	235.3	229.0	231.8	227.8
Cotton goods	0.507	140.0	161.3	162.3	147.8	148.2	128.0
Woollen goods	0.300	86.1	91.6	88.2	91.4	94.9	93.8
Synthetic Textiles and Silk	0.429	403.7	424.4	427.9	412.9	419.2	428.9
Clothing	1.801	176.5	179.9	173.3	174.1	178.7	180.3
Paper products	2.649	200.5	204.6	212.5	217.5	218.1	214.8
Pulp and paper	2.108	193.2	197.8	206.9	213.7	213.7	208.4

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965		1966			
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES - Concluded:							
Printing, publishing and allied industries	1.273	234.8	238.0	236.8	234.2	242.8	233.7
Products of petroleum and coal	0.513	338.8	348.1	339.5	356.9	367.2	358.8
Petroleum products	0.454	367.6	378.0	368.1	387.2	399.5	
Chemicals and allied products	1.359	360.9	370.5	373.0	374.8	379.2	387.1
Acids, alkalies, salts and fertilizers	0.346	497.4	534.0	516.5	506.1	503.8	530.3
Miscellaneous manufactures	0.524	416.1	418.0	426.9	429.9	435.5	435.1
DURABLE MANUFACTURES	12.598	247.5	251.6	252.5	253.7	255.0	257.0
Wood products	2.108	188.6	196.0	186.6	184.2	189.1	192.3
Saw and planing mills	1.444	189.9	199.7	185.3	180.2	186.3	189.8
Veneers and plywoods	0.122	424.5	425.2	459.2	434.4	435.6	433.4
Sawmills	0.994	184.5	198.4	174.3	171.4	179.5	184.7
Furniture	0.460	224.0	226.4	229.9	234.8	237.6	240.4
Iron and steel products	4.026	246.3	250.1	257.4	258.0	256.1	257.7
Machinery	0.851	260.0	262.0	269.1	273.0	274.6	276.1
Iron castings	0.387	234.5	262.8	259.8	233.3	188.2	212.6
Primary iron and steel	0.845	323.8	324.5	335.2	341.6	349.1	342.3
Sheet metal products	0.359	279.5	280.1	286.4	293.2	293.0	291.0
Transportation equipment	2.651	270.8	271.4	273.0	278.5	277.3	274.9
Aircraft and parts	0.203	333.8	348.7	365.4	383.7	395.5	406.3
Motor vehicles	1.035	377.3	373.3	383.1	392.5	383.9	371.9
Motor vehicle parts	0.462	360.1	364.1	344.9	343.7	348.1	356.2
Railway rolling stock	0.621	62.4	62.9	62.7	62.9	63.0	63.2
Shipbuilding and repairs	0.261	167.5	169.3	167.1	172.2	175.5	175.7
Non-ferrous metal products	1.601	194.5	193.0	195.8	192.5	194.3	201.2
Brass and copper products ...	0.241	181.7	183.2	178.5	175.6	179.3	181.9
Smelting and refining	1.028	192.5	189.2	194.4	189.3	190.8	200.6
Electrical apparatus and supplies	1.418	328.5	342.0	333.0	340.2	342.9	357.1
Heavy electrical machinery ..	0.489	253.4	255.4	260.4	266.4	270.5	271.6
Telecommunication equipment	0.142	891.8	1,006.4	814.0	839.1	869.4	964.5
Refrigerators and appliances	0.227	307.5	313.3	347.5	345.1	329.2	348.0
Non-metallic mineral products	0.794	294.4	298.3	304.2	302.5	314.5	299.5
Concrete products	0.098	879.3	905.3	912.2	977.0	987.4	878.0
Hydraulic cement	0.117	307.7	306.1	323.1	323.8	389.5	337.4
Domestic clay products	0.083	142.7	153.9	163.4	152.9	145.6	141.5
ELECTRIC POWER AND GAS UTILITIES	1.646	478.0	471.6	488.9	490.7	492.7	485.5
Electric power	1.480	433.0	429.4	452.4	449.2	456.0	448.4
Gas	0.166	879.3	847.4	813.9	860.5	819.6	816.5

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	247.1	250.7	247.8	274.0	274.2	274.4
MINING	346.4	365.6	344.5	351.8	344.4	375.9	378.1	385.6
Metals	245.7	249.5	224.0	236.8	236.4	241.4	244.7	256.7
Gold	85.9	80.6	81.3	79.7	87.5	79.8	75.8	78.5
Copper	187.8	195.6	183.9	185.5	189.7	185.8	191.3	178.6
Iron ore	1,185.3	1,236.8	846.7	921.7	1,045.1	986.1	938.5	1,125.5
Nickel	181.0	209.9	209.9	219.2	221.0	201.0	223.6	216.7
Non-metals	312.8	377.2	322.2	343.1	360.0	384.5	413.4	410.9
Asbestos	259.9	269.4	258.8	269.4	281.3	283.2	314.9	305.8
Fuels	557.7	592.8	618.4	604.5	565.1	665.1	652.2	651.3
Coal	55.1	56.3	64.7	62.2	55.6	66.4	56.5	49.5
Natural gas	1,382.3	1,476.4	1,651.7	1,619.1	1,476.5	1,715.2	1,651.9	1,614.7
Petroleum	1,319.2	1,405.5	1,444.1	1,413.1	1,329.2	1,565.3	1,552.6	1,565.9
MANUFACTURING, TOTAL	211.9	230.1	220.1	225.0	223.6	244.3	245.9	247.1
NON-DURABLE MANUFACTURES	211.2	224.1	216.0	215.6	214.5	235.9	236.6	236.0
Foods and beverages	185.6	193.1	167.6	169.6	173.4	179.6	180.7	187.2
Foods	180.6	187.4	164.6	165.3	168.2	173.1	173.1	177.5
Meat products	182.6	192.3	186.3	188.4	187.4	187.6	194.8	189.9
Dairy products	189.6	196.0	164.9	178.2	190.4	172.3	186.2	192.5
Canning and processing	190.0	197.2	117.0	112.7	118.8	124.1	120.4	136.6
Grain mill products	184.1	189.3	193.0	183.2	179.6	219.8	201.5	202.2
Bakery products	151.3	151.7	145.3	144.5	144.8	145.2	145.8	146.5
Miscellaneous foods	190.6	201.9	184.7	185.2	188.2	199.4	194.6	202.3
Beverages	201.3	211.0	176.9	183.4	189.5	199.9	204.7	217.7
Carbonated beverages	181.0	186.2	181.1	143.1	155.9	214.3	155.1	190.1
Breweries	185.7	191.1	147.0	192.8	195.4	166.9	193.2	213.4
Distilleries	262.1	284.8	243.9	212.7	219.8	264.2	293.8	267.1
Tobacco and tobacco products	232.1	243.4	247.6	243.7	236.9	279.4	272.9	258.7
Rubber products	232.8	237.4	272.4	236.0	232.6	307.2	272.6	275.0
Leather products	137.3	135.2	147.2	147.4	138.1	148.6	149.6	142.9
Boots and shoes	136.9	134.3	151.7	153.2	140.7	151.6	153.7	145.5
Textiles	203.3	220.6	228.9	215.4	208.2	248.3	239.2	232.4
Cotton goods	141.2	149.7	173.1	161.2	137.1	171.4	155.6	134.9
Woollen goods	91.2	89.6	84.8	85.7	78.2	91.7	91.0	92.4
Synthetic textiles and silk	338.4	391.3	408.5	367.6	369.8	462.5	444.4	439.6
Clothing	163.4	171.2	172.4	173.8	166.4	181.1	182.8	178.7
Paper products	186.3	198.3	192.0	197.6	192.7	213.5	219.3	214.0
Pulp and paper	182.0	192.8	191.2	195.7	188.4	212.0	216.9	208.8

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	218.5	217.8	229.5	234.3	243.1	245.9
Products of petroleum and coal	330.1	345.9	350.2	336.8	308.2	369.4	362.7	329.0
Petroleum products	357.9	375.5	381.3	365.1	332.7	401.9	394.3	
Chemicals and allied products	312.7	344.7	327.4	335.9	346.0	380.8	385.1	399.0
Acids, alkalies, salts and fertilizers	416.5	469.0	461.9	463.2	469.2	535.0	531.0	557.3
Miscellaneous manufactures	386.5	407.3	380.1	385.6	389.3	412.7	421.1	420.3
DURABLE MANUFACTURES	212.7	237.2	224.9	236.0	234.3	254.0	256.9	260.0
Wood products	174.3	181.7	183.7	183.7	171.1	192.6	195.9	184.6
Saw and planing mills	180.0	182.8	191.8	189.3	169.5	195.2	198.8	181.1
Veneers and plywoods	397.7	403.8	428.2	420.0	412.2	466.5	466.1	455.9
Sawmills	172.8	177.1	189.5	186.8	159.9	190.9	195.5	171.8
Furniture	192.6	216.3	199.9	206.7	209.8	227.8	230.7	233.7
Iron and steel products	215.2	239.1	220.5	230.8	234.3	250.5	253.7	257.8
Machinery	213.1	248.1	229.5	233.7	238.0	267.0	269.4	272.8
Iron castings	199.3	218.9	205.1	234.2	225.2	235.9	200.2	225.4
Primary iron and steel	291.2	320.0	291.2	310.6	322.0	327.9	346.3	349.7
Sheet metal products	248.1	274.2	243.9	249.6	262.1	272.4	276.3	281.7
Transportation equipment	210.5	250.0	245.9	277.2	271.8	302.1	303.9	307.7
Aircraft and parts	336.3	319.3	333.0	334.4	299.4	386.8	399.1	398.7
Motor vehicles	274.2	347.6	346.0	417.2	406.2	448.2	445.7	450.7
Motor vehicle parts	262.2	317.2	298.6	312.3	314.3	357.4	362.0	370.7
Railway rolling stock	58.9	62.6	60.7	61.7	62.9	61.8	62.3	62.7
Shipbuilding and repairs	148.7	161.9	153.9	163.6	170.7	165.8	175.9	181.7
Non-ferrous metal products	174.2	186.9	181.8	187.9	188.3	193.9	197.4	205.7
Brass and copper products ...	155.6	162.7	162.0	163.1	159.9	183.1	182.9	180.7
Smelting and refining	176.5	188.9	187.1	194.9	195.0	191.8	196.3	208.7
Electrical apparatus and supplies	279.1	319.2	305.7	307.3	305.1	339.0	336.5	349.7
Heavy electrical machinery ..	213.0	241.6	227.5	228.8	234.3	262.9	265.9	269.7
Telecommunication equipment	744.5	895.1	892.2	838.0	792.4	869.3	826.8	897.7
Refrigerators and appliances	274.9	301.9	290.6	316.6	309.9	343.7	338.1	360.7
Non-metallic mineral products	268.2	286.9	228.4	232.9	242.7	243.8	256.0	261.7
Concrete products	814.1	858.0	544.1	612.0	692.7	654.6	710.9	727.7
Hydraulic cement	277.5	298.8	192.5	220.2	250.0	220.2	271.9	283.7
Domestic clay products	138.3	142.8	111.5	119.6	136.7	122.3	123.2	137.7
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	503.5	478.9	459.7	566.4	538.2	510.7
Electric power	371.5	408.8	429.5	417.6	399.7	485.1	477.9	452.7
Gas	711.0	800.6	1,163.4	1,025.1	994.8	1,290.8	1,076.2	1,022.7

Real Domestic Product less Agriculture

Note to Users

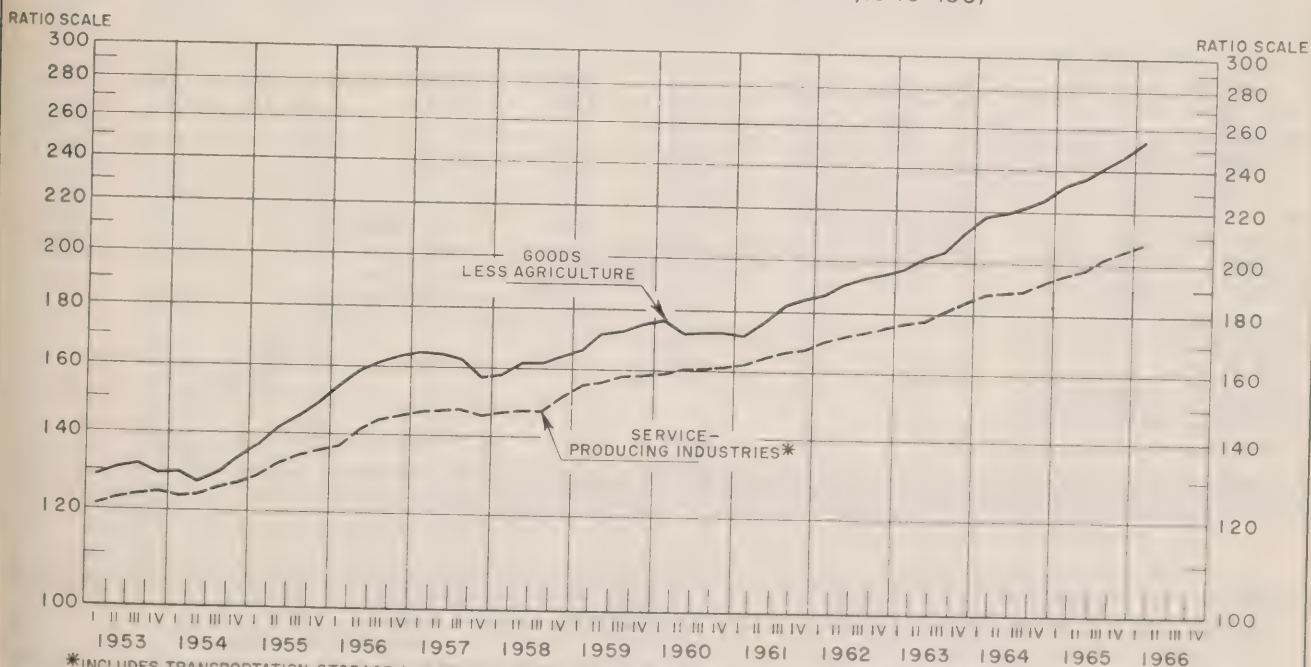
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE;
PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1966

At an index level of 229.9(1) for the first quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 2 per cent higher than in the preceding quarter.

Table(A) shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 37.9 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output had increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table B). The current expansion has been of considerably longer duration than the preceding two, having now lasted for five years. Thus the rate of expansion has been lower than during the 1954-56 upturn. When measured from peak to peak the gain achieved so far during the current cycle was 37.1 per cent, which is almost twice the increase over the 1953-56 cycle. This yields a rate of increase over the cycle as a whole only marginally lower than that for the 1953-56 cycle.

TABLE A

	IQ'61 - IIQ'65		IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	29.8	29.8	32.4	32.4	35.2	35.2	37.9	37.9
Forestry	35.0	.6	20.2	.4	22.0	.4	30.2	.6
Fishing and trapping ..	- 17.5	- .1	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1
Mining	32.0	1.9	38.4	2.3	39.2	2.3	42.3	2.5
Manufacturing	41.5	12.2	45.3	13.3	49.3	14.5	53.0	15.6
Non-durable	31.3	5.2	34.8	5.8	37.9	6.3	41.5	6.9
Durable	54.7	7.0	58.9	7.5	64.2	8.2	67.9	8.7
Construction	31.0	2.1	33.7	2.3	38.5	2.6	42.8	2.9
Electric power and gas								
utilities	43.3	1.5	47.3	1.6	55.5	1.9	61.1	2.0
Other goods, n.e.c. ...	14.5	.1	14.9	.2	15.2	.2	15.6	.2
Transportation, storage								
and communication ...	31.2	3.0	34.8	3.3	37.9	3.6	39.6	3.8
Transportation	33.3	2.3	37.4	2.6	40.4	2.8	42.9	3.0
Trade	26.2	4.0	28.7	4.3	31.4	4.8	33.7	5.1
Wholesale	38.0	2.0	41.0	2.1	45.2	2.3	43.4	2.3
Retail	20.0	2.0	22.3	2.2	24.3	2.4	28.6	2.8
Finance, insurance and								
real estate	22.1	2.4	23.3	2.5	23.8	2.5	26.2	2.8
Public administration								
and defence	4.1	.2	4.4	.3	5.1	.3	4.1	.2
Community, recreation,								
business and personal								
service	19.5	2.0	20.8	2.1	22.2	2.3	23.6	2.4

Note: The columns may not add to the total due to rounding.

The goods-producing industry group (less agriculture) advanced by 2.7 per cent in the first quarter and accounted for about 70 per cent of the gain in non-agricultural real output. The service producing industry group showed a more moderate increase of 1.3 per cent.

Manufacturing was the largest single contributor to the first quarter gain in non-agricultural real output, accounting for almost 40 per cent of this increase. The next largest contributors were trade, construction and the finance, insurance and real estate group, which jointly accounted for

(1) See special note on page 2.

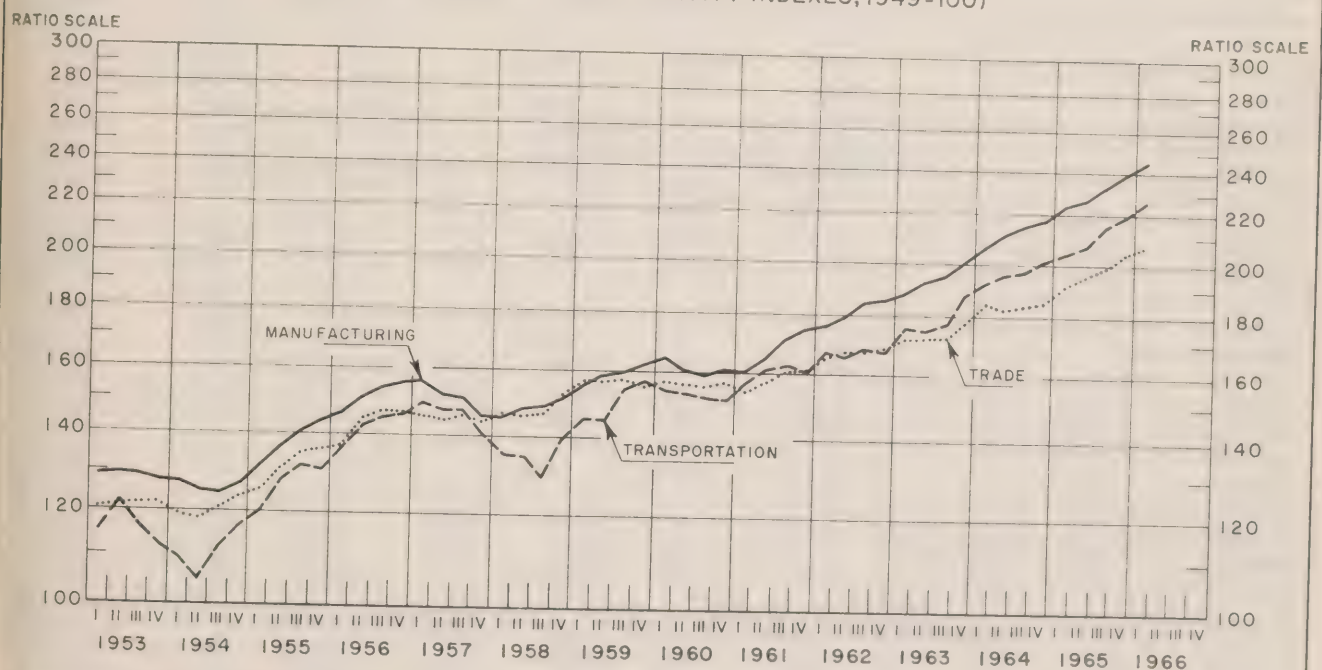
another 32 per cent of the gain in real domestic product, less agriculture. Most of the other major industry groupings also showed advances in output from their fourth quarter levels, the exceptions being public administration and defence and fishing and trapping.

Manufacturing advanced by 2.5 per cent in the first quarter, with the non-durable manufacturing component accounting for over one-half of this gain. Within non-durables, which increased by 2.6 per cent, most major groups showed increases in the first quarter, ranging from one per cent in textiles to almost 8 per cent in tobacco products. The 6.6 per cent gain in paper products and the 3 per cent advance in the output of chemicals accounted for about 55 per cent of the first quarter gain in non-durables. Paper products advanced largely as a result of the sharp increase in pulp and paper production. The food products group, rubber products and petroleum products showed increases in excess of 2 per cent. The only two industry groups to show a decline were leather products and clothing, both of which declined by about one per cent.

Within durable manufacturing, which was up by 2.3 per cent, over three-quarters of the increase came from iron and steel products and transportation equipment which increased by 3.9 and 2.4 per cent, respectively. Primary iron and steel and the machinery and machine shops group were the largest contributors to the first quarter gain. The 2.7 per cent increase in motor vehicle output and the sharp gain in aircraft and parts production accounted for most of the advance in the output of the transportation equipment group. Non-metallic mineral products increased by 4.6 per cent, because of strong gains in the output of cement and concrete products. Electrical apparatus and supplies and non-ferrous metal products showed increases of 2.3 and 0.7 per cent in the first quarter, the latter largely as a result of a small increase in smelting and refining. The only major industry group to decline was wood products, down 2 per cent, because of a sharp drop in the output of sawmills.

COMPARISON OF MANUFACTURING WITH TRADE AND TRANSPORTATION, BY QUARTERS, 1953-66

(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the first quarter gain in non-agricultural real output came from trade, which was up by 1.7 per cent, construction, up by 3.1 per cent, and finance, insurance and real estate which increased by 1.9 per cent. Within trade, the retail component showed a gain of 3.5 per cent, while wholesale trade declined moderately. Department stores, furniture and appliance stores, lumber and building material dealers, farm implement dealers and farm feed stores were among the retail trades to show large gains. Sales of motor vehicle dealers showed little change from the levels achieved in the previous quarter, although sales for the month of March were quite high. Among the components of wholesale trade to show strong gains in the first quarter were farm machinery, construction material and supply dealers, hardware dealers, wholesalers of meat and dairy products and

clothing products. Sales of commercial, institutional and service equipment and industrial and transportation equipment and supplies also increased sharply. These gains, however, were more than offset by declines in many of the other components of wholesale trade.

First quarter gains among other major industry groupings ranged from about one to about 7 per cent. Transportation, storage and communication showed an increase of 1.3 per cent, with most of the gain coming from the transportation industries. Storage declined by 4 per cent. Within transportation which advanced by 1.8 per cent, the strong gains in railway and water transport were considerably dampened by the decline in the output of the strike-affected trucking industry. Mining increased by 2.2 per cent in the first quarter, largely as a result of the 3 per cent advance in metal mining. Within metal mining gains were widespread, with zinc, lead and copper production showing the largest gains. Non-metal mining was up by 4.9 per cent. The community, recreation, business and personal services group advanced by 1.2 per cent, with the business service component accounting for most of this gain. Electric power and gas utilities and forestry increased by 3.6 and 6.7 per cent, respectively, the latter largely as a result of strong increases in pulp-wood production.

TABLE B

	Per cent changes in major industry groupings over recent cycles in production					
	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'66(1)
Real domestic product less						
agriculture	21.4	9.0	37.1	23.1	10.5	37.9
Forestry	19.0	1.3	16.2	17.9	33.7	30.2
Fishing and trapping	1.8	- 18.4	38.3	3.9	- 7.4	- 15.6
Mining	55.5	24.7	34.9	48.6	16.2	42.3
Manufacturing	20.1	6.1	48.9	24.4	12.8	53.0
Non-durable	19.3	12.9	42.4	19.4	14.6	41.5
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	34.7	34.0	- 3.9	42.8
Electric power and gas						
utilities	44.4	38.1	66.9	33.9	28.9	61.1
Other goods industries, n.e.c.	9.7	- 4.1	15.5	21.2	1.5	15.6
Transportation, storage and						
communication	26.4	7.9	42.8	34.6	9.7	39.6
Transportation	25.7	4.7	45.4	40.1	9.0	42.9
Trade	20.7	6.9	31.7	24.5	9.7	33.7
Wholesale	20.8	11.0	33.5	31.9	16.8	43.4
Retail	20.6	4.7	30.7	20.8	6.1	28.6
Finance, insurance and real						
estate	16.9	15.5	30.6	12.0	9.6	26.2
Public administration and						
defence	10.4	9.1	8.9	7.0	5.1	4.1
Community, recreation, business						
and personal service	12.0	12.2	26.4	10.6	11.1	23.6

(1) At the end of the first quarter of 1966, production was still expanding.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.2	267.8	263.0	136.0	232.0	175.4	216.0	237.9
2								
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	176.0	267.8	276.4	145.0	239.0	180.3	210.1	233.2
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.7	430.8	253.7	186.7	257.2	276.2	194.2
2								
3								
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.0	414.8	252.2	188.6	249.0	300.6	194.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.3	218.4	189.9	184.2	254.7	207.5	232.9	200.9	271.5
2									
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.3	188.7	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	238.8	200.5	220.7	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	175.0	182.8	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.5	188.3	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.3	193.9	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.6	189.7	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.2	185.7	203.0	192.9	245.9
2	190.6	212.5	190.6	178.1	237.2	202.3	221.0	198.3	254.0
3	183.8	216.7	198.6	184.5	244.0	203.7	224.8	204.0	250.7
4	218.2	214.0	189.8	182.1	253.7	210.1	234.0	199.2	268.9
1966 - 1	172.8	214.5	183.6	179.3	241.8	196.6	220.2	196.8	270.1
2									
3									
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

Least Squares of Logarithms Growth Rates, 1946-65

	Annual growth rate %		Annual growth rate %
Index of Industrial Production	5.61	Durable manufactures - Concluded	
Mining	9.10	Iron and steel products	4.77
Metals	7.17	Machinery	4.42
Gold	N.A.	Iron castings	4.35
Copper	4.98	Primary iron and steel	6.79
Iron ore	N.A.	Sheet metal products	5.92
Nickel	4.58	Transportation equipment	4.10
Non-metals	5.97	Aircraft and parts	7.42
Asbestos	4.66	Motor vehicles	6.22
Fuels	12.60	Motor vehicle parts	5.30
Coal	- 3.98	Railway rolling stock	- 3.20
Natural gas	17.88	Shipbuilding and repairs	0.32
Petroleum	21.37	Non-ferrous metal products	3.82
Manufacturing	4.78	Brass and copper products	2.22
Non-durable manufactures	4.82	Smelting and refining	4.12
Foods and beverages	3.88	Electrical apparatus and supplies	7.02
Foods	3.55	Heavy electrical machinery	4.92
Meat products	3.06	Telecommunication equipment	13.12
Dairy products	4.64	Refrigerators and appliances	8.82
Canning and processing	3.54	Non-metallic mineral products	6.92
Grain mill products	2.83	Concrete products	15.72
Bakery products	2.49	Hydraulic cement	7.82
Miscellaneous foods	4.61	Domestic clay products	2.32
Beverages	4.95	Electric power and gas utilities	9.52
Carbonated beverages	5.62	Electric power	9.02
Breweries	4.35	Gas utilities	13.12
Distilleries	5.64	Agriculture	1.52
Tobacco and tobacco products	6.11	Forestry	1.62
Rubber products	4.22	Fishing and trapping	1.72
Leather products	1.63	Construction	5.12
Boots and shoes	1.97	Transportation, storage and communication	4.62
Textiles	4.22	Transportation	4.02
Cotton goods	1.71	Storage	5.62
Wool goods	- 1.14	Trade	4.62
Synthetic textiles and silk	8.19	Wholesale	4.42
Clothing	2.98	Retail	3.42
Paper products	4.12	Finance, insurance and real estate	4.22
Pulp and paper	3.95	Public administration and defence	3.22
Printing and publishing and allied industries	5.33	Community, recreation, business and personal service	3.22
Products of petroleum and coal	8.60	Goods	4.22
Petroleum products	9.22	Goods less agriculture	5.22
Chemicals and allied products	7.64	Service-producing industries	4.22
Acids, alkalies, salts and fertilizers	9.81	Real Domestic Product, less agriculture	4.22
Miscellaneous manufactures	9.07	Real Domestic Product	4.22
Durable manufactures	4.73		
Wood products	3.42		
Saw and planing mills	3.55		
Veneers and plywoods	8.40		
Saw mills	3.08		
Furniture	4.32		

CATALOGUE No.

61-005

MONTHLY

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

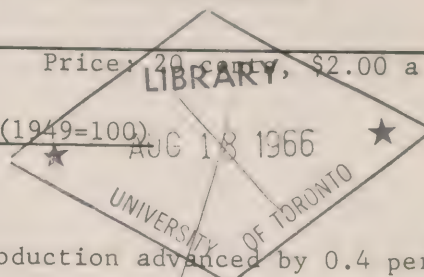
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

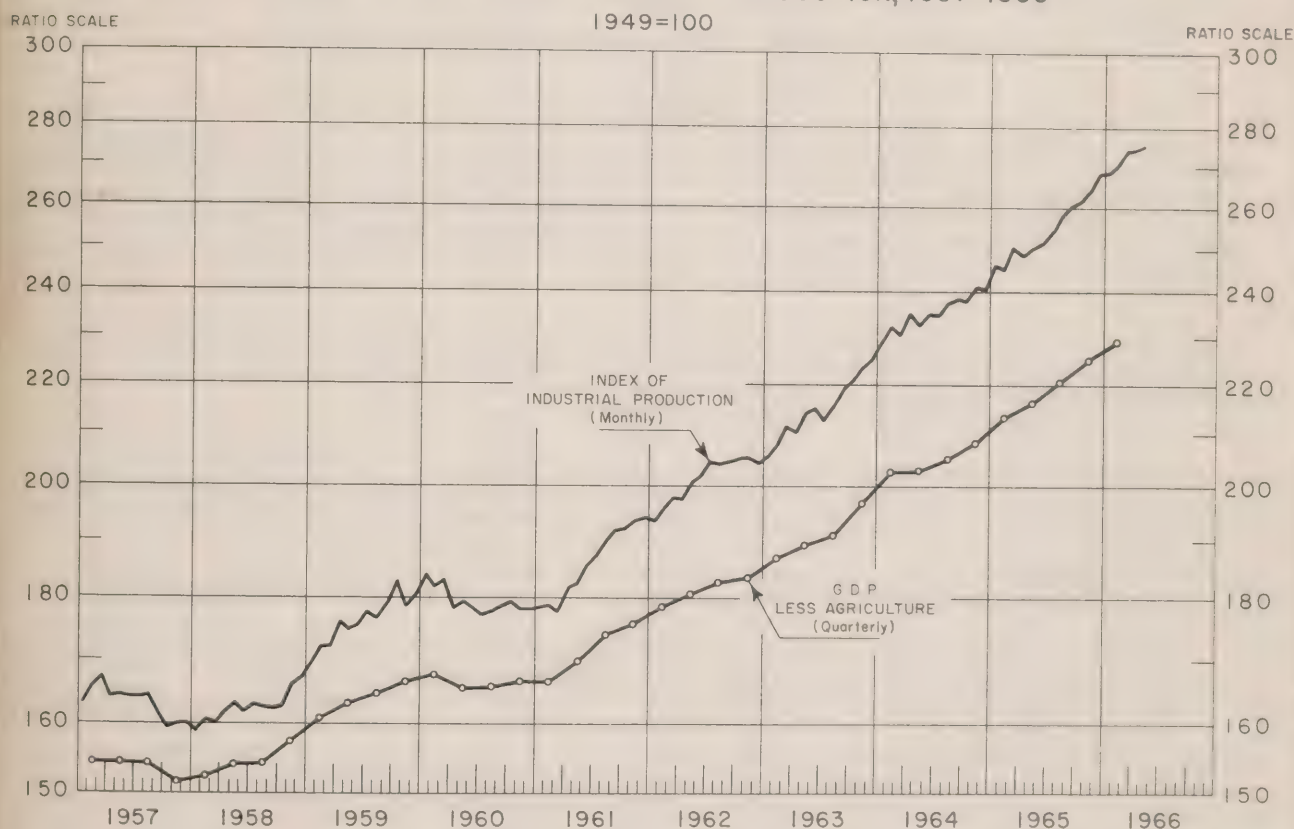
MAY 1966



The seasonally adjusted index of industrial production advanced by 0.4 per cent in May.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (1st quarter 1966).

Industrial Output Section
National Accounts and Balance of Payments Division

August 1966
2205-502

MAY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production for May advanced by 0.4 % to 275.6 from the revised April figure of 274.5. Gains of better than 1 % in mining and of almost 5 % in electric power and gas utilities were partially offset by a small decline of 0.3 % in manufacturing. Within the latter, the drop was centred in durables (-0.7 %), as non-durables' output rose only marginally.

The two major groups responsible for bringing durable manufacturing lower in May were iron and steel products and transportation equipment; the former was largely due to a drop in primary iron and steel output, while in the latter, motor vehicle production declined for the third consecutive month, this time by almost 8 %. Elsewhere in durables, gains were recorded in electrical apparatus and supplies (+ 1 %), non-ferrous metal products (+ 2 %) and non-metallic mineral products (+ 4 %). Wood products showed little change in May.

In non-durable manufacturing, clothing, leather products and total foods and beverages were virtually unchanged, although there were some large but offsetting movements within the beverages component of the latter. Other declines occurred in chemicals (- 3 %), tobacco (- 4 %), rubber (- 6 %) and textile products (- 2 %), with the latter still affected by labour disturbances. The largest increases were in the newsprint - oriented groups as paper products moved higher by more than 3 % while printing and publishing gained almost 6 %.

Although metal mining stayed at about the same level in May as in April, there were some irregularly large movements within the group, as gold, copper and lead showed positive changes, with each of nickel and zinc lower by substantial amounts. The gain in total mining emanated solely from fuels, where all three components were strong.

In electric power and gas utilities, both components showed good gains.

SPECIAL NOTE

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and current data will be published in the April issue of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark level will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to March which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965	1966				
			Dec.	Jan.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	32.231	268.6	268.9	271.5	273.8	274.5	275.6
MINING	3.245	385.0	372.7	387.1	390.4	393.5	398.7
Metals	1.925	270.6	264.0	264.3	262.8	261.7	261.2
Gold	0.575	79.0	75.1	81.4	77.6	74.4	80.0
Copper	0.352	200.2	193.6	198.5	198.9	186.0	206.6
Iron ore	0.099	1,507.4	1,604.6	1,465.2	1,234.9	1,327.1	1,328.3
Nickel	0.333	212.2	207.9	193.1	217.9	203.3	182.4
Non-metals	0.268	410.3	413.0	417.4	433.1	409.6	409.9
Asbestos	0.189	281.5	290.7	294.7	319.0	292.9	293.3
Fuels	0.915	601.7	576.1	614.1	622.5	652.2	671.1
Coal	0.553	55.7	54.5	58.2	54.2	52.1	56.9
Natural gas	0.035	1,457.2	1,573.3	1,504.6	1,497.6	1,597.1	1,691.5
Petroleum	0.327	1,433.6	1,351.3	1,458.8	1,490.0	1,565.9	1,600.7
MANUFACTURING, TOTAL	27.340	242.5	243.3	244.6	246.8	247.7	247.1
NON-DURABLE MANUFACTURES	14.742	234.7	235.5	236.8	240.4	240.8	241.2
Foods and beverages	3.814	200.1	199.4	200.9	202.6	203.8	204.2
Foods	2.896	192.8	194.6	192.7	194.0	197.0	198.0
Meat products	0.523	189.0	183.6	185.9	198.8	190.2	196.2
Dairy products	0.450	200.6	200.2	202.7	202.6	196.6	195.5
Canning and processing	0.453	213.8	217.9	205.0	209.4	228.5	222.7
Grain mill products	0.322	205.6	212.5	207.6	195.7	208.1	203.0
Bakery products	0.558	151.3	150.4	152.6	154.8	154.6	154.7
Miscellaneous foods	0.590	206.5	214.2	211.4	207.6	212.9	220.5
Beverages	0.918	223.1	214.6	226.7	229.8	225.6	224.0
Carbonated beverages	0.231	199.7	187.9	225.6	200.6	209.4	217.8
Breweries	0.463	188.5	202.4	200.6	193.2	202.3	186.4
Distilleries	0.203	326.5	275.2	290.3	349.8	300.1	321.2
Tobacco and tobacco products ..	0.248	250.0	265.5	270.5	267.5	261.8	252.6
Rubber products	0.430	261.5	265.2	260.3	263.4	265.4	250.3
Leather products	0.508	138.5	135.2	135.1	137.2	138.0	138.7
Boots and shoes	0.307	139.3	134.2	131.9	134.0	136.9	138.7
Textiles	1.623	235.4	235.3	229.0	231.6	228.8	224.1
Cotton goods	0.507	161.3	162.3	147.8	148.2	128.0	121.7
Woollen goods	0.300	91.6	88.2	91.4	94.9	93.8	
Synthetic Textiles and Silk	0.429	424.4	427.9	412.9	419.2	433.7	421.9
Clothing	1.801	179.9	173.5	174.1	179.9	181.5	180.4
Paper products	2.649	204.6	212.5	217.5	217.9	214.7	222.1
Pulp and paper	2.108	197.8	206.9	213.7	213.9	208.6	216.2

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965	1966				
		Dec.	Jan.	Feb.	Mar.	Apr.	May
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	238.0	236.8	234.2	243.4	234.2	247.1
Products of petroleum and coal	0.513	348.1	339.5	356.9	367.2	386.2	394.4
Petroleum products	0.454	378.0	368.1	387.2	399.5	420.7	
Chemicals and allied products	1.359	370.5	373.0	374.8	379.8	389.2	377.9
Acids, alkalies, salts and fertilizers	0.346	534.0	516.5	506.1	503.8	532.8	537.9
Miscellaneous manufactures	0.524	418.0	426.9	429.9	439.0	440.0	436.9
DURABLE MANUFACTURES	12.598	251.6	252.5	253.7	254.3	255.7	253.9
Wood products	2.108	196.0	186.6	184.2	188.4	191.5	191.8
Saw and planing mills	1.444	199.7	185.3	180.2	186.2	189.7	189.9
Veneers and plywoods	0.122	425.2	459.2	434.4	435.6	433.4	449.5
Sawmills	0.994	198.4	174.3	171.4	179.5	184.7	182.8
Furniture	0.460	226.4	229.9	234.8	234.5	237.2	238.8
Iron and steel products	4.026	250.1	257.4	258.0	256.2	257.5	253.5
Machinery	0.851	262.0	269.1	273.0	273.0	274.4	278.8
Iron castings	0.387	262.8	259.8	233.3	188.2	212.6	215.0
Primary iron and steel	0.845	324.5	335.2	341.6	349.1	342.3	325.0
Sheet metal products	0.359	280.1	286.4	293.2	296.1	294.3	294.0
Transportation equipment	2.651	271.4	273.0	278.5	275.8	273.4	263.6
Aircraft and parts	0.203	348.7	365.4	383.7	396.8	407.8	404.3
Motor vehicles	1.035	373.3	383.1	392.5	383.9	371.9	343.4
Motor vehicle parts	0.462	364.1	344.9	343.7	340.2	348.6	356.5
Railway rolling stock	0.621	62.9	62.7	62.9	61.6	61.8	63.9
Shipbuilding and repairs	0.261	169.3	167.1	172.2	178.9	178.9	173.7
Non-ferrous metal products	1.601	193.0	195.8	192.5	194.5	196.2	200.0
Brass and copper products ...	0.241	183.2	178.5	175.6	182.6	185.5	185.7
Smelting and refining	1.028	189.2	194.4	189.3	190.8	192.2	197.5
Electrical apparatus and supplies	1.418	342.0	333.0	340.2	341.1	355.8	358.4
Heavy electrical machinery ..	0.489	255.4	260.4	266.4	265.3	266.4	273.3
Telecommunication equipment	0.142	1,006.4	814.0	839.1	871.5	965.1	964.5
Refrigerators and appliances	0.227	313.3	347.5	345.1	332.2	355.7	351.8
Non-metallic mineral products	0.794	298.3	304.2	302.5	314.6	299.6	310.9
Concrete products	0.098	905.3	912.2	977.0	987.4	878.0	915.6
Hydraulic cement	0.117	306.1	323.1	323.8	389.5	337.4	313.7
Domestic clay products	0.083	153.9	163.4	152.9	145.6	141.5	225.4
ELECTRIC POWER AND GAS UTILITIES	1.646	471.6	488.9	490.7	492.3	485.5	507.6
Electric power	1.480	429.4	452.4	449.2	455.6	448.4	465.3
Gas	0.166	847.4	813.9	860.5	819.6	816.3	885.0

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Mar.	Apr.	May	Mar.	Apr.	May
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	250.7	247.8	253.6	274.0	274.7	277.8
MINING	346.4	365.6	351.8	344.4	354.5	378.1	386.8	399.6
Metals	245.7	249.5	236.8	236.4	258.3	244.7	257.5	276.6
Gold	85.9	80.6	79.7	87.5	79.6	75.8	78.5	79.5
Copper	187.8	195.6	185.5	189.7	212.9	191.3	178.6	203.5
Iron ore	1,185.3	1,236.8	921.7	1,045.1	1,371.9	938.5	1,142.6	1,594.0
Nickel	181.0	209.9	219.2	221.0	215.9	223.6	216.7	193.7
Non-metals	312.8	377.2	343.1	360.0	370.8	413.4	410.9	422.6
Asbestos	259.9	269.4	269.4	281.3	268.6	314.9	305.8	297.1
Fuels	557.7	592.8	604.5	565.1	530.8	652.2	651.3	630.5
Coal	55.1	56.3	62.2	55.6	49.4	56.5	49.5	50.9
Natural gas	1,382.3	1,476.4	1,619.1	1,476.5	1,391.4	1,651.9	1,614.7	1,590.0
Petroleum	1,319.2	1,405.5	1,413.2	1,329.2	1,252.9	1,552.6	1,565.9	1,507.9
MANUFACTURING, TOTAL	211.9	230.1	225.0	223.6	232.2	245.7	247.2	251.3
NON-DURABLE MANUFACTURES	211.2	224.1	215.6	214.5	223.2	236.8	237.4	241.7
Foods and beverages	185.6	193.1	169.6	173.4	188.0	180.2	186.9	200.9
Foods	180.6	187.4	165.3	168.2	180.8	172.4	177.1	190.0
Meat products	182.6	192.3	188.4	187.4	186.4	194.8	190.6	191.3
Dairy products	189.6	196.0	178.2	190.4	215.0	186.2	193.1	218.0
Canning and processing	190.0	197.2	112.7	118.8	165.7	118.1	135.0	180.8
Grain mill products	184.1	189.3	183.2	179.6	180.7	201.2	201.9	196.2
Bakery products	151.3	151.7	144.5	144.8	149.0	146.7	147.3	151.5
Miscellaneous foods	190.6	201.9	185.2	188.2	191.5	192.2	200.0	207.5
Beverages	201.3	211.0	183.4	189.5	210.8	204.7	217.7	235.3
Carbonated beverages	181.0	186.2	143.1	155.9	199.1	155.1	190.1	229.1
Breweries	185.7	191.1	192.8	195.4	225.7	193.2	213.4	214.9
Distilleries	262.1	284.8	212.7	219.8	196.1	293.8	267.1	298.1
Tobacco and tobacco products	232.1	243.4	243.7	236.9	255.6	272.9	258.7	263.2
Rubber products	232.8	237.4	236.0	232.6	256.1	272.6	275.0	256.8
Leather products	137.3	135.2	147.4	138.1	130.4	149.2	141.8	136.3
Boots and shoes	136.9	134.3	153.2	140.7	128.8	153.7	145.2	136.9
Textiles	203.3	220.6	215.4	208.2	223.4	239.0	233.4	228.0
Cotton goods	141.2	149.7	161.2	137.1	150.3	155.6	134.9	122.9
Woollen goods	91.2	89.6	85.7	78.2	91.7	91.0	92.4	
Synthetic textiles and silk	338.4	391.3	367.6	369.8	401.1	444.4	444.5	432.9
Clothing	163.4	171.2	173.8	166.4	165.0	184.0	179.9	176.8
Paper products	186.3	198.3	197.6	192.7	197.8	219.1	213.9	221.5
Pulp and paper	182.0	192.8	195.7	188.4	193.7	217.1	209.0	216.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Mar.	Apr.	May	Mar.	Apr.	May
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	217.8	229.5	230.9	243.7	246.4	261.0
Products of petroleum and coal	330.1	345.9	336.8	308.2	328.4	362.7	353.9	367.1
Petroleum products	357.9	375.5	365.1	332.7	355.2	394.3	384.1	
Chemicals and allied products	312.7	344.7	335.9	346.0	355.7	385.6	401.2	392.1
Acids, alkalies, salts and fertilizers	416.5	469.0	463.2	469.2	477.3	531.0	560.0	560.0
Miscellaneous manufactures	386.5	407.3	385.6	389.3	390.8	424.5	425.0	424.1
DURABLE MANUFACTURES	212.7	237.2	236.0	234.3	242.6	256.3	258.7	262.1
Wood products	174.3	181.7	183.7	171.1	176.9	195.2	183.9	189.1
Saw and planing mills	180.0	182.8	189.3	169.5	177.7	198.7	181.0	187.1
Veneers and plywoods	397.7	403.8	420.0	412.2	375.9	466.1	455.9	436.1
Sawmills	172.8	177.1	186.8	159.9	175.7	195.5	171.8	183.1
Furniture	192.6	216.3	206.7	209.8	210.8	227.7	230.6	235.1
Iron and steel products	215.2	239.1	230.8	234.3	243.0	253.7	257.6	261.1
Machinery	213.1	248.1	233.7	238.0	240.7	267.8	271.1	276.1
Iron castings	199.3	218.9	234.2	225.2	229.7	200.2	225.4	238.1
Primary iron and steel	291.2	320.0	310.6	322.0	342.7	346.3	349.1	348.1
Sheet metal products	248.1	274.2	249.6	262.1	274.0	279.2	284.9	293.1
Transportation equipment	210.5	250.0	277.2	271.8	280.0	302.3	306.2	297.1
Aircraft and parts	336.3	319.3	334.4	299.4	289.0	400.4	399.6	400.1
Motor vehicles	274.2	347.6	417.2	406.2	427.9	445.7	450.0	422.1
Motor vehicle parts	262.2	317.2	312.3	314.3	320.6	353.8	362.2	374.1
Railway rolling stock	58.9	62.6	61.7	62.9	61.7	60.9	61.4	63.1
Shipbuilding and repairs	148.7	161.9	163.6	170.7	168.2	179.3	185.0	182.1
Non-ferrous metal products	174.2	186.9	187.9	188.3	183.7	197.6	200.4	200.1
Brass and copper products ...	155.6	162.7	163.1	159.9	148.4	186.3	184.4	183.1
Smelting and refining	176.5	188.9	194.9	195.0	189.8	196.3	200.1	198.1
Electrical apparatus and supplies	279.1	319.2	307.3	305.1	310.3	334.6	348.1	349.1
Heavy electrical machinery ..	213.0	241.6	228.8	234.3	237.7	260.8	264.0	272.1
Telecommunication equipment	744.5	895.1	838.0	792.4	812.0	828.8	897.5	877.1
Refrigerators and appliances	274.9	301.9	316.6	309.9	323.6	341.2	368.1	362.1
Non-metallic mineral products	268.2	286.9	232.9	242.7	287.9	256.1	261.6	316.1
Concrete products	814.1	858.0	612.0	692.7	895.0	710.9	727.0	961.1
Hydraulic cement	277.5	298.8	220.2	250.0	336.3	271.9	283.4	354.1
Domestic clay products	138.3	142.8	119.6	136.7	146.8	123.2	137.8	241.1
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	478.9	459.7	411.4	537.9	510.4	478.1
Electric power	371.5	408.8	417.6	399.7	382.9	477.5	452.9	447.1
Gas	711.0	800.6	1,025.1	994.8	665.5	1,076.2	1,022.8	755.1

Real Domestic Product less Agriculture

Note to Users

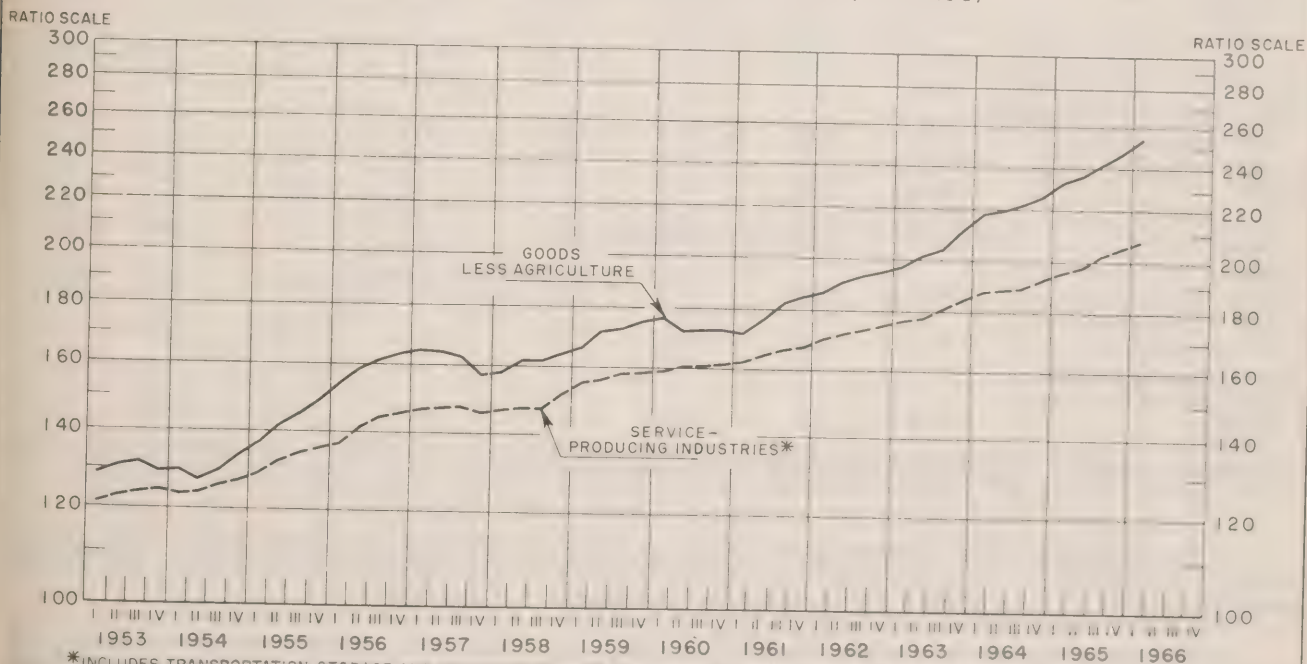
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP, BY QUARTERS, 1953-66 (SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE;
PUBLIC ADMINISTRATION AND DEFENCE, COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1966

At an index level of 229.9(1) for the first quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 2 per cent higher than in the preceding quarter.

Table(A) shows the percentage increases of the major industry groupings and their contributions over the past four quarters, to the 37.9 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output had increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table B). The current expansion has been of considerably longer duration than the preceding two, having now lasted for five years. Thus the rate of expansion has been lower than during the 1954-56 upturn. When measured from peak to peak the gain achieved so far during the current cycle was 37.1 per cent, which is almost twice the increase over the 1953-56 cycle. This yields a rate of increase over the cycle as a whole only marginally lower than that for the 1953-56 cycle.

TABLE A

	IQ'61 - IIQ'65		IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	29.8	29.8	32.4	32.4	35.2	35.2	37.9	37.9
Forestry	35.0	.6	20.2	.4	22.0	.4	30.2	.6
Fishing and trapping ..	- 17.5	- .1	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1
Mining	32.0	1.9	38.4	2.3	39.2	2.3	42.3	2.5
Manufacturing	41.5	12.2	45.3	13.3	49.3	14.5	53.0	15.6
Non-durable	31.3	5.2	34.8	5.8	37.9	6.3	41.5	6.9
Durable	54.7	7.0	58.9	7.5	64.2	8.2	67.9	8.7
Construction	31.0	2.1	33.7	2.3	38.5	2.6	42.8	2.9
Electric power and gas utilities	43.3	1.5	47.3	1.6	55.5	1.9	61.1	2.0
Other goods, n.e.c. ...	14.5	.1	14.9	.2	15.2	.2	15.6	.2
Transportation, storage and communication ...	31.2	3.0	34.8	3.3	37.9	3.6	39.6	3.8
Transportation	33.3	2.3	37.4	2.6	40.4	2.8	42.9	3.0
Trade	26.2	4.0	28.7	4.3	31.4	4.8	33.7	5.1
Wholesale	38.0	2.0	41.0	2.1	45.2	2.3	43.4	2.3
Retail	20.0	2.0	22.3	2.2	24.3	2.4	28.6	2.8
Finance, insurance and real estate	22.1	2.4	23.3	2.5	23.8	2.5	26.2	2.8
Public administration and defence	4.1	.2	4.4	.3	5.1	.3	4.1	.2
Community, recreation, business and personal service	19.5	2.0	20.8	2.1	22.2	2.3	23.6	2.4

Note: The columns may not add to the total due to rounding.

The goods-producing industry group (less agriculture) advanced by 2.7 per cent in the first quarter and accounted for about 70 per cent of the gain in non-agricultural real output. The service producing industry group showed a more moderate increase of 1.3 per cent.

Manufacturing was the largest single contributor to the first quarter gain in non-agricultural real output, accounting for almost 40 per cent of this increase. The next largest contributors were trade, construction and the finance, insurance and real estate group, which jointly accounted for

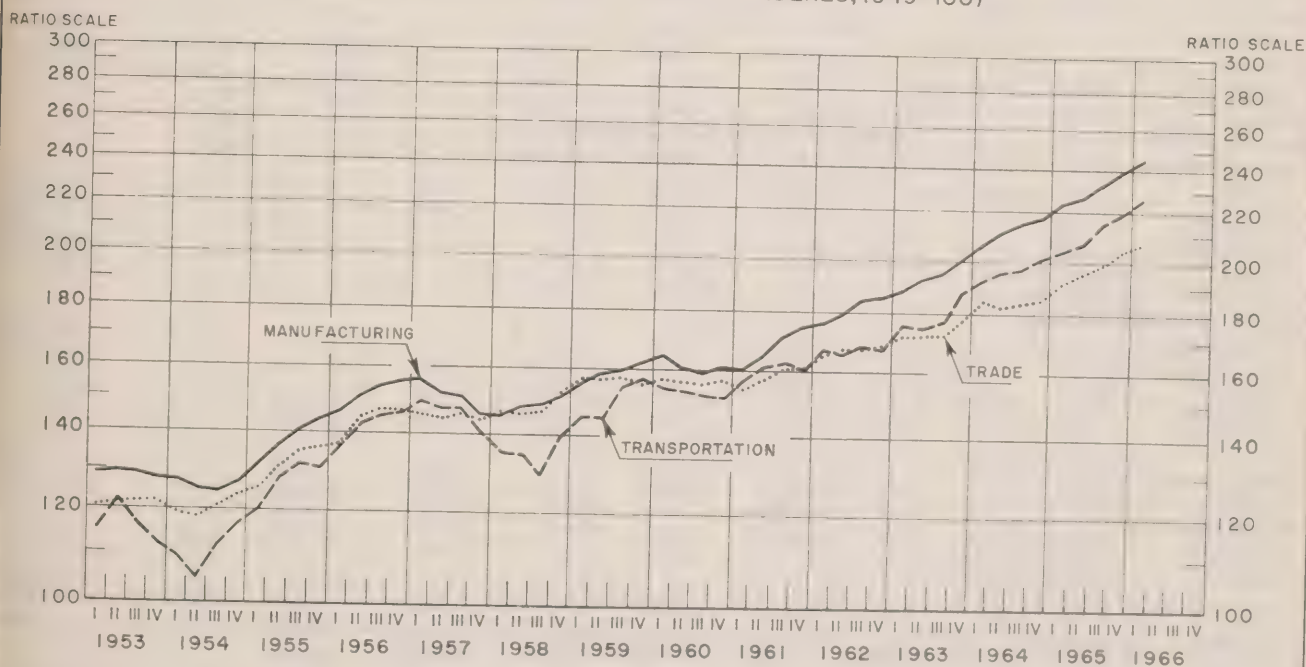
(1) See special note on page 2.

another 32 per cent of the gain in real domestic product, less agriculture. Most of the other major industry groupings also showed advances in output from their fourth quarter levels, the exceptions being public administration and defence and fishing and trapping.

Manufacturing advanced by 2.5 per cent in the first quarter, with the non-durable manufacturing component accounting for over one-half of this gain. Within non-durables, which increased by 2.6 per cent, most major groups showed increases in the first quarter, ranging from one per cent in textiles to almost 8 per cent in tobacco products. The 6.6 per cent gain in paper products and the 3 per cent advance in the output of chemicals accounted for about 55 per cent of the first quarter gain in non-durables. Paper products advanced largely as a result of the sharp increase in pulp and paper production. The food products group, rubber products and petroleum products showed increases in excess of 2 per cent. The only two industry groups to show a decline were leather products and clothing, both of which declined by about one per cent.

Within durable manufacturing, which was up by 2.3 per cent, over three-quarters of the increase came from iron and steel products and transportation equipment which increased by 3.9 and 2.4 per cent, respectively. Primary iron and steel and the machinery and machine shops group were the largest contributors to the first quarter gain. The 2.7 per cent increase in motor vehicle output and the sharp gain in aircraft and parts production accounted for most of the advance in the output of the transportation equipment group. Non-metallic mineral products increased by 4.6 per cent, because of strong gains in the output of cement and concrete products. Electrical apparatus and supplies and non-ferrous metal products showed increases of 2.3 and 0.7 per cent in the first quarter, the latter largely as a result of a small increase in smelting and refining. The only major industry group to decline was wood products, down 2 per cent, because of a sharp drop in the output of sawmills.

COMPARISON OF MANUFACTURING WITH TRADE AND TRANSPORTATION,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the first quarter gain in non-agricultural real output came from trade, which was up by 1.7 per cent, construction, up by 3.1 per cent, and finance, insurance and real estate which increased by 1.9 per cent. Within trade, the retail component showed a gain of 3.5 per cent, while wholesale trade declined moderately. Department stores, furniture and appliance stores, lumber and building material dealers, farm implement dealers and farm feed stores were among the retail trades to show large gains. Sales of motor vehicle dealers showed little change from the levels achieved in the previous quarter, although sales for the month of March were quite high. Among the components of wholesale trade to show strong gains in the first quarter were farm machinery, construction material and supply dealers, hardware dealers, wholesalers of meat and dairy products and

clothing products. Sales of commercial, institutional and service equipment and industrial and transportation equipment and supplies also increased sharply. These gains, however, were more than offset by declines in many of the other components of wholesale trade.

First quarter gains among other major industry groupings ranged from about one to about 7 per cent. Transportation, storage and communication showed an increase of 1.3 per cent, with most of the gain coming from the transportation industries. Storage declined by 4 per cent. Within transportation which advanced by 1.8 per cent, the strong gains in railway and water transport were considerably dampened by the decline in the output of the strike-affected trucking industry. Mining increased by 2.2 per cent in the first quarter, largely as a result of the 3 per cent advance in metal mining. Within metal mining gains were widespread, with zinc, lead and copper production showing the largest gains. Non-metal mining was up by 4.9 per cent. The community, recreation, business and personal services group advanced by 1.2 per cent, with the business service component accounting for most of this gain. Electric power and gas utilities and forestry increased by 3.6 and 6.7 per cent, respectively, the latter largely as a result of strong increases in pulp-wood production.

TABLE B

	Per cent changes in major industry groupings over recent cycles in production					
	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'66(1)
Real domestic product less						
agriculture	21.4	9.0	37.1	23.1	10.5	37.9
Forestry	19.0	1.3	16.2	17.9	33.7	30.2
Fishing and trapping	1.8	- 18.4	38.3	3.9	- 7.4	- 15.6
Mining	55.5	24.7	34.9	48.6	16.2	42.3
Manufacturing	20.1	6.1	48.9	24.4	12.8	53.0
Non-durable	19.3	12.9	42.4	19.4	14.6	41.5
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	34.7	34.0	- 3.9	42.8
Electric power and gas						
utilities	44.4	38.1	66.9	33.9	28.9	61.1
Other goods industries, n.e.c.	9.7	- 4.1	15.5	21.2	1.5	15.6
Transportation, storage and						
communication	26.4	7.9	42.8	34.6	9.7	39.6
Transportation	25.7	4.7	45.4	40.1	9.0	42.9
Trade	20.7	6.9	31.7	24.5	9.7	33.7
Wholesale	20.8	11.0	33.5	31.9	16.8	43.4
Retail	20.6	4.7	30.7	20.8	6.1	28.6
Finance, insurance and real						
estate	16.9	15.5	30.6	12.0	9.6	26.2
Public administration and						
defence	10.4	9.1	8.9	7.0	5.1	4.1
Community, recreation, business						
and personal service	12.0	12.2	26.4	10.6	11.1	23.6

(1) At the end of the first quarter of 1966, production was still expanding.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.2	267.8	263.0	136.0	232.0	175.4	216.0	237.9
2								
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	176.0	267.8	276.4	145.0	239.0	180.3	210.1	233.2
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.7	430.8	253.7	186.7	257.2	276.2	194.2
2								
3								
4								
	Without seasonal adjustment							
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.0	414.8	252.2	188.6	249.0	300.6	194.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.3	218.4	189.9	184.2	254.7	207.5	232.9	200.9	271.5
2									
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.3	188.7	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	238.8	200.5	220.7	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	175.0	182.8	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.5	188.3	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.3	193.9	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.6	189.7	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.2	185.7	203.0	192.9	245.9
2	190.6	212.5	190.6	178.1	237.2	202.3	221.0	198.3	254.0
3	183.8	216.7	198.6	184.5	244.0	203.7	224.8	204.0	250.7
4	218.2	214.0	189.8	182.1	253.7	210.1	234.0	199.2	268.9
1966 - 1	172.8	214.5	183.6	179.3	241.8	196.6	220.2	196.8	270.1
2									
3									
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

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Least Squares of Logarithms Growth Rates, 1946-65

	Annual growth rate %		Annual growth rate %
Index of Industrial Production	5.61	Durable manufactures - Concluded	
Mining	9.10	Iron and steel products	4.77
Metals	7.17	Machinery	4.42
Gold	N.A.	Iron castings	4.35
Copper	4.98	Primary iron and steel	6.79
Iron ore	N.A.	Sheet metal products	5.92
Nickel	4.58	Transportation equipment	4.10
Non-metals	5.97	Aircraft and parts	7.42
Asbestos	4.66	Motor vehicles	6.21
Fuels	12.60	Motor vehicle parts	5.36
Coal	- 3.98	Railway rolling stock	- 3.26
Natural gas	17.88	Shipbuilding and repairs	0.37
Petroleum	21.37	Non-ferrous metal products	3.87
		Brass and copper products	2.27
Manufacturing	4.78	Smelting and refining	4.11
		Electrical apparatus and supplies	7.01
Non-durable manufactures	4.82	Heavy electrical machinery	4.91
Foods and beverages	3.88	Telecommunication equipment	13.11
Foods	3.55	Refrigerators and appliances	8.81
Meat products	3.06	Non-metallic mineral products	6.91
Dairy products	4.64	Concrete products	15.71
Canning and processing	3.54	Hydraulic cement	7.81
Canning and processing	2.83	Domestic clay products	2.31
Grain mill products	2.49		
Bakery products	4.61	Electric power and gas utilities	9.51
Miscellaneous foods	4.95	Electric power	9.01
Beverages	5.62	Gas utilities	13.11
Carbonated beverages	4.35		
Breweries	5.64	Agriculture	1.11
Distilleries	6.11		
Tobacco and tobacco products	4.22	Forestry	1.11
Rubber products	1.63		
Leather products	1.97	Fishing and trapping	1.11
Boots and shoes	4.22		
Textiles	1.71	Construction	5.11
Cotton goods	- 1.14		
Wool goods	8.19	Transportation, storage and communication	4.11
Synthetic textiles and silk	2.98	Transportation	4.11
Clothing	4.12	Storage	5.11
Paper products	3.95	Trade	4.11
Pulp and paper		Wholesale	3.11
Printing and publishing and allied industries	5.33	Retail	
Products of petroleum and coal	8.60		
Petroleum products	9.22	Finance, insurance and real estate	4.11
Chemicals and allied products	7.64		
Acids, alkalies, salts and fertilizers	9.81	Public administration and defence	3.11
Miscellaneous manufactures	9.07		
		Community, recreation, business and personal service	3.11
Durable manufactures	4.73		
Wood products	3.42	Goods	4.11
Saw and planing mills	3.55		
Veneers and plywoods	8.40	Goods less agriculture	5.11
Saw mills	3.08		
Furniture	4.32	Service-producing industries	4.11
		Real Domestic Product, less agriculture	4.11
		Real Domestic Product	4.11

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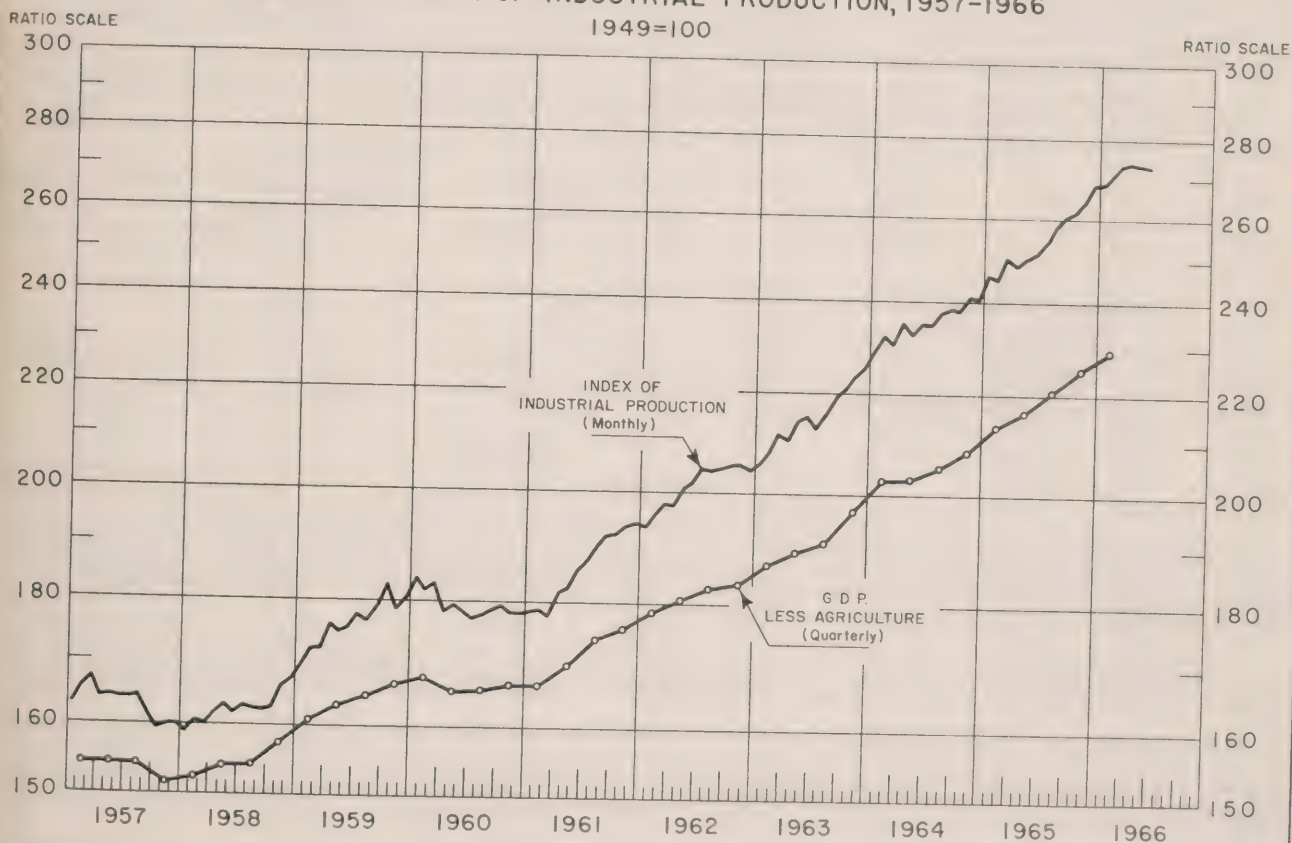
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JUNE 1966

The seasonally adjusted index of industrial production declined by 0.3 per cent in June.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (1st quarter 1966)

Industrial Output Section
National Accounts and Balance of Payments Division

September 1966
2205-502

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

JUNE INDEX OF INDUSTRIAL PRODUCTION

The June seasonally adjusted Index of Industrial Production fell by 0.3 per cent to 273.1 from the revised May level of 273.8. The latest decrease, following on the marginal decline now shown for May, left the Index nearly 0.4 per cent lower than in April, when the Index reached the all time high level of 274.1.

In June, declines occurred in mining (- 1.4%) and manufacturing (- 0.2%), with both non-durables and durables contributing equally to the drop in manufacturing. Electric power and gas utilities rose by 0.7 per cent.

Within the mining detail the drop in fuel mining was common to all three components, the declines approximating 2 per cent. In non-metals, both asbestos and 'other' non-metals (including potash) were lower in the month.

In metals the small gain of 0.3% concealed large movements in the detail as nickel and copper both registered increases, while declines occurred in gold, iron ore, lead, and 'other' metals.

In non-durables, most major groups registered declines, with the largest drops occurring in printing and publishing and tobacco products (- 4% each), and in rubber products (- 5%). Remaining decreases ranged from the marginal to 1%, the latter occurring in paper products. On the positive side, the most significant increases were registered in textiles and in foods and beverages; the latter originated in each component of beverages, as total foods showed little change.

In durable manufacturing (- 0.2%), wood products, iron and steel, electrical apparatus and supplies, and non-metallic mineral products all fell by amounts ranging from 1 to more than 2 per cent. The declines in these major components were nearly offset by increases of 3 per cent in transportation equipment and almost 2 per cent in non-ferrous metal products.

Within the detail, most of the decline (- 2.3%) in wood products was due to a 4 per cent drop in sawmills, in part attributable to labor disputes in British Columbia. In iron and steel products (- 1.0%) the major factor in the decline was a 12 per cent drop in iron castings, although primary iron and steel also fell by 1 per cent. The latest monthly decline was the third consecutive one for primary iron and steel. In electrical apparatus and supplies (- 1.1%) telecommunication equipment (- 3.5%) was the major contributor to the decline. In transportation equipment (+ 2.9%) motor vehicles, which rose by nearly 7 per cent, was the major factor in the gain. In non-ferrous metal products all components, except brass and copper products, rose, with smelting and refining (+ 2.4%) making the largest contribution to the increase.

Within 1966 now half over, the following changes are now shown; in column 1 for the second quarter of 1966 from the first and in column 2 for the first six months of 1966 over the first six months of 1965:

	1 Q '66' - 11 Q '66' seasonally adjusted per cent change	1st 6 Months 65 - 1st 6 Months 66 per cent change
	(1)	(2)
Index of Industrial Production	+ 0.8	+ 9.5
Mining	+ 2.7	+ 8.4
Manufacturing	+ 0.3	+ 9.2
Non-durable	+ 0.9	+ 9.0
Durable	- 0.3	+ 9.5
Electric Power and Gas Utilities	+ 2.2	+ 13.5

SPECIAL NOTE

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and later data will appear in current issues of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to March which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Jan.	Feb.	Mar.	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	32.231	268.9	271.5	273.8	274.1	273.8	273.1
MINING	3.245	372.7	387.1	390.4	393.5	396.6	391.1
Metals	1.925	264.0	264.3	262.8	261.7	257.4	258.2
Gold	0.575	75.1	81.4	77.6	74.4	80.0	69.4
Copper	0.352	193.6	198.5	198.9	186.0	206.6	214.2
Iron ore	0.099	1,604.6	1,465.2	1,234.9	1,327.1	1,253.3	1,241.0
Nickel	0.333	207.9	193.1	217.9	203.3	182.4	208.3
Non-metals	0.268	413.0	417.4	433.1	409.6	409.9	376.0
Asbestos	0.189	290.7	294.7	319.0	292.9	293.3	281.5
Fuels	0.915	576.1	614.1	622.5	652.2	671.1	659.4
Coal	0.553	54.5	58.2	54.2	52.1	56.9	55.5
Natural gas	0.035	1,573.3	1,504.6	1,497.6	1,597.1	1,691.5	1,656.2
Petroleum	0.327	1,351.3	1,458.8	1,490.0	1,565.9	1,600.7	1,573.9
MANUFACTURING, TOTAL	27.340	243.3	244.6	246.8	247.2	245.2	244.8
NON-DURABLE MANUFACTURES	14.742	235.5	236.8	240.4	240.3	239.7	239.3
Foods and beverages	3.814	199.4	200.9	202.6	202.8	202.2	205.7
Foods	2.896	194.6	192.7	194.0	196.2	195.1	195.1
Meat products	0.523	183.6	185.9	198.8	190.2	195.7	194.9
Dairy products	0.450	200.2	202.7	202.6	196.6	195.5	199.1
Canning and processing	0.453	217.9	205.0	209.4	224.6	209.5	207.9
Grain mill products	0.322	212.5	207.6	195.7	208.3	202.8	201.5
Bakery products	0.558	150.4	152.6	154.8	155.9	156.6	155.8
Miscellaneous foods	0.590	214.2	211.4	207.6	211.1	215.6	216.3
Beverages	0.918	214.6	226.7	229.8	223.6	224.3	238.9
Carbonated beverages	0.231	187.9	225.6	200.6	209.4	217.8	225.5
Breweries	0.463	202.4	200.6	193.2	197.3	186.4	195.2
Distilleries	0.203	275.2	290.3	349.8	300.1	321.2	357.5
Tobacco and tobacco products ..	0.248	265.5	270.5	267.5	261.8	252.6	241.4
Rubber products	0.430	265.2	260.3	263.4	265.4	250.3	237.5
Leather products	0.508	135.2	135.1	137.2	137.9	137.9	139.6
Boots and shoes	0.307	134.2	131.9	134.0	136.9	138.7	143.3
Textiles	1.623	235.3	229.0	231.6	226.4	221.7	226.6
Cotton goods	0.507	162.3	147.8	148.2	128.0	121.7	118.1
Woollen goods	0.300	88.2	91.4	94.9	93.8	94.6	101.4
Synthetic Textiles and Silk	0.429	427.9	412.9	419.2	428.7	417.8	433.6
Clothing	1.801	173.5	174.1	179.9	182.5	180.6	180.7
Paper products	2.649	212.5	217.5	217.9	214.3	221.5	219.0
Pulp and paper	2.108	206.9	213.7	213.9	208.6	216.2	213.3

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Jan.	Feb.	Mar.	Apr.	May	June
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	236.8	234.2	243.4	234.1	246.8	238.1
Products of petroleum and coal Petroleum products	0.513 0.454	339.5 368.1	356.9 387.2	367.2 399.5	386.2 420.7	368.8 401.1	366.0
Chemicals and allied products Acids, alkalies, salts and fertilizers	1.359 0.346	373.0 516.5	374.8 506.1	379.8 503.8	387.9 532.8	377.5 540.0	377.5 528.0
Miscellaneous manufactures	0.524	426.9	429.9	439.0	445.7	446.5	444.7
DURABLE MANUFACTURES	12.598	252.5	253.7	254.3	255.2	251.6	251.1
Wood products	2.108	186.6	184.2	188.4	190.1	189.5	185.1
Saw and planing mills	1.444	185.3	180.2	186.2	189.2	188.8	182.3
Veneers and plywoods	0.122	459.2	434.4	435.6	433.4	449.5	
Sawmills	0.994	174.3	171.4	179.5	184.7	182.8	175.7
Furniture	0.460	229.9	234.8	234.5	232.7	232.1	232.8
Iron and steel products	4.026	257.4	258.0	256.2	257.6	252.8	250.2
Machinery	0.851	269.1	273.0	273.0	272.0	272.8	274.8
Iron castings	0.387	259.8	233.3	188.2	212.6	215.0	189.7
Primary iron and steel	0.845	335.2	341.6	349.1	342.3	325.0	320.7
Sheet metal products	0.359	286.4	293.2	296.1	295.5	292.2	289.9
Transportation equipment	2.651	273.0	278.5	275.8	271.5	258.9	266.5
Aircraft and parts	0.203	365.4	383.7	396.8	411.8	409.1	405.2
Motor vehicles	1.035	383.1	392.5	383.9	371.9	343.4	367.0
Motor vehicle parts	0.462	344.9	343.7	340.2	337.3	330.6	323.4
Railway rolling stock	0.621	62.7	62.9	61.6	61.2	63.2	64.0
Shipbuilding and repairs	0.261	167.1	172.2	178.9	176.4	167.0	163.7
Non-ferrous metal products	1.601	195.8	192.5	194.5	196.2	198.8	202.2
Brass and copper products ...	0.241	178.5	175.6	182.6	187.1	185.4	184.4
Smelting and refining	1.028	194.4	189.3	190.8	192.2	197.5	202.2
Electrical apparatus and supplies	1.418	333.0	340.2	341.1	356.3	357.6	353.5
Heavy electrical machinery ..	0.489	260.4	266.4	265.3	266.9	266.5	269.0
Telecommunication equipment	0.142	814.0	839.1	871.5	971.8	977.7	943.0
Refrigerators and appliances	0.227	347.5	345.1	332.2	351.4	346.0	339.6
Non-metallic mineral products	0.794	304.2	302.5	314.6	300.3	303.7	296.0
Concrete products	0.098	912.2	977.0	987.4	878.0	915.6	891.0
Hydraulic cement	0.117	323.1	323.8	389.5	337.4	313.7	294.2
Domestic clay products	0.083	163.4	152.9	145.6	141.5	141.8	148.1
ELECTRIC POWER AND GAS UTILITIES	1.646	488.9	490.7	492.3	485.5	507.6	511.0
Electric power	1.480	452.4	449.2	455.6	448.4	465.3	470.7
Gas	0.166	813.9	860.5	819.6	816.3	885.0	

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Apr.	May	June	Apr.	May	June
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	247.8	253.6	260.7	274.3	276.0	281.9
MINING	346.4	365.6	344.4	354.5	369.7	386.8	397.1	403.3
Metals	245.7	249.5	236.4	258.3	262.4	257.5	272.0	279.3
Gold	85.9	80.6	87.5	79.6	84.1	78.5	79.5	70.4
Copper	187.8	195.6	189.7	212.9	193.3	178.6	203.5	220.0
Iron ore	1,185.3	1,236.8	1,045.1	1,371.9	1,404.2	1,142.6	1,504.0	1,551.2
Nickel	181.0	209.9	221.0	215.9	203.3	216.7	193.7	205.8
Non-metals	312.8	377.2	360.0	370.8	399.4	410.9	422.6	394.7
Asbestos	259.9	269.4	281.3	268.6	280.8	305.8	297.1	289.1
Fuels	557.7	592.8	565.1	530.8	558.8	651.3	630.5	635.1
Coal	55.1	56.3	55.6	49.4	51.7	49.5	50.9	51.1
Natural gas	1,382.3	1,476.4	1,476.5	1,391.4	1,336.8	1,614.7	1,590.0	1,474.0
Petroleum	1,319.2	1,405.5	1,329.2	1,252.9	1,337.8	1,565.9	1,507.9	1,533.0
MANUFACTURING, TOTAL	211.9	230.1	223.6	232.2	239.7	246.7	249.5	256.7
NON-DURABLE MANUFACTURES	211.2	224.1	214.5	223.2	228.5	237.0	240.3	247.6
Foods and beverages	185.6	193.1	173.4	188.0	202.8	185.9	199.2	220.5
Foods	180.6	187.4	168.2	180.8	191.9	176.6	187.7	201.1
Meat products	182.6	192.3	187.4	186.4	179.9	190.6	190.8	185.5
Dairy products	189.6	196.0	190.4	215.0	247.9	193.1	218.0	253.7
Canning and processing	190.0	197.2	118.8	165.7	198.4	132.1	170.5	207.6
Grain mill products	184.1	189.3	179.6	180.7	180.9	202.0	195.9	199.9
Bakery products	151.3	151.7	144.8	149.0	155.3	148.5	153.4	159.9
Miscellaneous foods	190.6	201.9	188.2	191.5	195.5	198.3	203.1	209.3
Beverages	201.3	211.0	189.5	210.8	237.4	215.5	235.5	281.7
Carbonated beverages	181.0	186.2	155.9	199.1	215.2	190.1	229.1	272.0
Breweries	185.7	191.1	195.4	225.7	239.2	208.2	214.9	245.9
Distilleries	262.1	284.8	219.8	196.1	266.4	267.1	298.1	386.1
Tobacco and tobacco products	232.1	243.4	236.9	255.6	279.4	258.7	263.2	278.8
Rubber products	232.8	237.4	232.6	256.1	240.3	275.0	256.8	270.8
Leather products	137.3	135.2	138.1	130.4	131.6	141.6	135.6	138.6
Boots and shoes	136.9	134.3	140.7	128.8	128.8	145.2	136.9	142.4
Textiles	203.3	220.6	208.2	223.4	228.6	231.0	225.6	239.7
Cotton goods	141.2	149.7	137.1	150.3	139.8	134.9	122.9	116.0
Woollen goods	91.2	89.6	78.2	91.7	103.7	92.4	97.2	115.8
Synthetic textiles and silk	338.4	391.3	369.8	401.1	426.1	439.4	428.7	476.1
Clothing	163.4	171.2	166.4	165.0	166.3	180.9	177.0	176.4
Paper products	186.3	198.3	192.7	197.8	199.9	213.5	221.0	222.2
Pulp and paper	182.0	192.8	188.4	193.7	193.7	209.0	216.2	215.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Apr.	May	June	Apr.	May	June
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	229.5	230.9	222.4	246.3	260.7	242.1
Products of petroleum and coal	330.1	345.9	308.2	328.4	346.0	353.9	344.0	364.3
Petroleum products	357.9	375.5	332.7	355.2	375.8	384.1	372.6	
Chemicals and allied products	312.7	344.7	346.0	355.7	355.0	399.9	391.8	390.3
Acids, alkalies, salts and fertilizers	416.5	469.0	469.2	477.3	463.6	560.0	562.1	523.2
Miscellaneous manufactures	386.5	407.3	389.3	390.8	403.6	430.5	433.6	442.0
DURABLE MANUFACTURES	212.7	237.2	234.3	242.6	252.8	258.1	260.2	267.4
Wood products	174.3	181.7	171.1	176.9	191.6	182.5	187.4	195.3
Saw and planing mills	180.0	182.8	169.5	177.7	198.2	180.6	187.0	197.7
Veneers and plywoods	397.7	403.8	412.2	375.9	380.0	455.9	436.0	
Sawmills	172.8	177.1	159.9	175.7	202.2	171.8	183.9	199.1
Furniture	192.6	216.3	209.8	210.8	213.4	226.2	228.4	230.0
Iron and steel products	215.2	239.1	234.3	243.0	254.6	257.7	260.6	263.3
Machinery	213.1	248.1	238.0	240.7	246.7	268.7	270.3	275.9
Iron castings	199.3	218.9	225.2	229.7	274.8	225.4	238.6	223.9
Primary iron and steel	291.2	320.0	322.0	342.7	346.3	349.1	348.1	341.9
Sheet metal products	248.1	274.2	262.1	274.0	290.4	286.0	291.9	306.4
Transportation equipment	210.5	250.0	271.8	280.0	284.4	304.2	292.8	305.1
Aircraft and parts	336.3	319.3	299.4	289.0	320.5	403.6	405.0	410.9
Motor vehicles	274.2	347.6	406.2	427.9	433.3	450.0	422.0	458.1
Motor vehicle parts	262.2	317.2	314.3	320.6	320.8	350.5	347.1	333.9
Railway rolling stock	58.9	62.6	62.9	61.7	62.4	60.8	62.3	64.1
Shipbuilding and repairs	148.7	161.9	170.7	168.2	164.9	182.4	175.0	172.0
Non-ferrous metal products	174.2	186.9	188.3	183.7	185.1	200.4	198.8	203.1
Brass and copper products ...	155.6	162.7	159.9	148.4	143.6	186.0	183.4	182.1
Smelting and refining	176.5	188.9	195.0	189.8	191.2	200.1	198.9	204.1
Electrical apparatus and supplies	279.1	319.2	305.1	310.3	317.5	348.6	348.1	351.1
Heavy electrical machinery ..	213.0	241.6	234.3	237.7	243.8	264.5	265.4	271.1
Telecommunication equipment	744.5	895.1	792.4	812.0	832.2	903.8	889.7	855.1
Refrigerators and appliances	274.9	301.9	309.9	323.6	331.5	363.7	356.4	373.1
Non-metallic mineral products	268.2	286.9	242.7	287.9	321.4	262.3	308.6	332.1
Concrete products	814.1	858.0	692.7	895.0	1,027.9	727.0	961.4	1,071.1
Hydraulic cement	277.5	298.8	250.0	336.3	384.0	283.4	354.8	378.1
Domestic clay products	138.3	142.8	136.7	146.8	151.9	137.8	151.6	162.1
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	459.7	411.4	394.6	510.4	478.7	460.1
Electric power	371.5	408.8	399.7	382.9	376.0	452.9	447.6	440.1
Gas	711.0	800.6	994.8	665.5	560.8	1,022.8	755.8	

Real Domestic Product less Agriculture

Note to Users

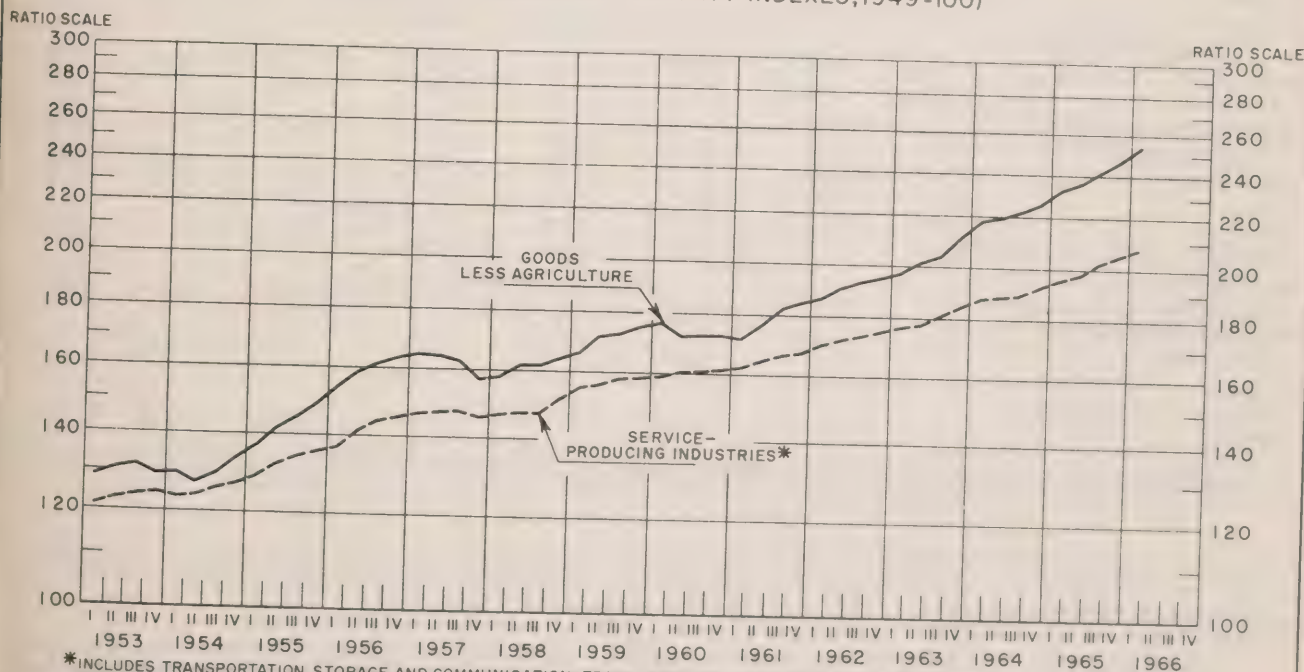
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

REAL DOMESTIC PRODUCT LESS AGRICULTURE, FIRST QUARTER, 1966

At an index level of 229.9(1) for the first quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 2 per cent higher than in the preceding quarter.

Table(A) shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 37.9 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output had increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table B). The current expansion has been of considerably longer duration than the preceding two, having now lasted for five years. Thus the rate of expansion has been lower than during the 1954-56 upturn. When measured from peak to peak the gain achieved so far during the current cycle was 37.1 per cent, which is almost twice the increase over the 1953-56 cycle. This yields a rate of increase over the cycle as a whole only marginally lower than that for the 1953-56 cycle.

TABLE A

	IQ'61 - IIQ'65		IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product less agriculture	29.8	29.8	32.4	32.4	35.2	35.2	37.9	37.9
Forestry	35.0	.6	20.2	.4	22.0	.4	30.2	.6
Fishing and trapping ..	- 17.5	- .1	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1
Mining	32.0	1.9	38.4	2.3	39.2	2.3	42.3	2.5
Manufacturing	41.5	12.2	45.3	13.3	49.3	14.5	53.0	15.6
Non-durable	31.3	5.2	34.8	5.8	37.9	6.3	41.5	6.9
Durable	54.7	7.0	58.9	7.5	64.2	8.2	67.9	8.7
Construction	31.0	2.1	33.7	2.3	38.5	2.6	42.8	2.9
Electric power and gas utilities	43.3	1.5	47.3	1.6	55.5	1.9	61.1	2.0
Other goods, n.e.c. ...	14.5	.1	14.9	.2	15.2	.2	15.6	.2
Transportation, storage and communication ...	31.2	3.0	34.8	3.3	37.9	3.6	39.6	3.8
Transportation	33.3	2.3	37.4	2.6	40.4	2.8	42.9	3.0
Trade	26.2	4.0	28.7	4.3	31.4	4.8	33.7	5.1
Wholesale	38.0	2.0	41.0	2.1	45.2	2.3	43.4	2.3
Retail	20.0	2.0	22.3	2.2	24.3	2.4	28.6	2.8
Finance, insurance and real estate	22.1	2.4	23.3	2.5	23.8	2.5	26.2	2.8
Public administration and defence	4.1	.2	4.4	.3	5.1	.3	4.1	.2
Community, recreation, business and personal service	19.5	2.0	20.8	2.1	22.2	2.3	23.6	2.4

Note: The columns may not add to the total due to rounding.

The goods-producing industry group (less agriculture) advanced by 2.7 per cent in the first quarter and accounted for about 70 per cent of the gain in non-agricultural real output. The service-producing industry group showed a more moderate increase of 1.3 per cent.

Manufacturing was the largest single contributor to the first quarter gain in non-agricultural real output, accounting for almost 40 per cent of this increase. The next largest contributors were trade, construction and the finance, insurance and real estate group, which jointly accounted for

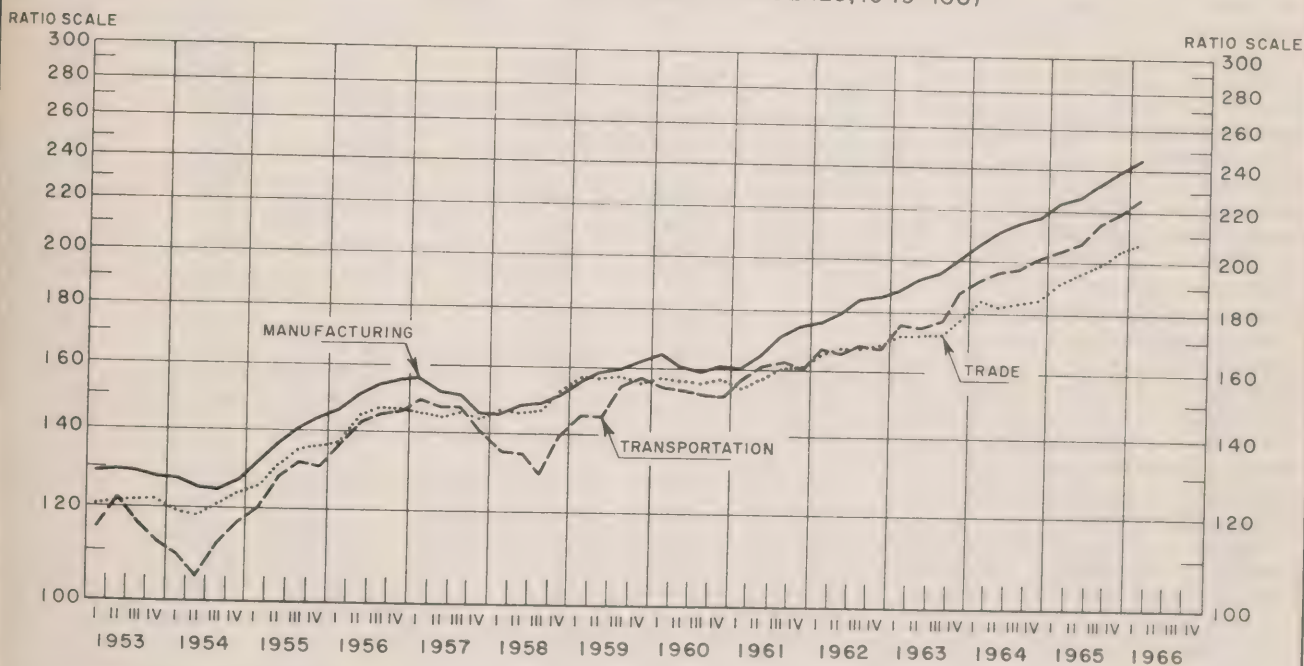
(1) See special note on page 2.

another 32 per cent of the gain in real domestic product, less agriculture. Most of the other major industry groupings also showed advances in output from their fourth quarter levels, the exceptions being public administration and defence and fishing and trapping.

Manufacturing advanced by 2.5 per cent in the first quarter, with the non-durable manufacturing component accounting for over one-half of this gain. Within non-durables, which increased by 2.6 per cent, most major groups showed increases in the first quarter, ranging from one per cent in textiles to almost 8 per cent in tobacco products. The 6.6 per cent gain in paper products and the 3 per cent advance in the output of chemicals accounted for about 55 per cent of the first quarter gain in non-durables. Paper products advanced largely as a result of the sharp increase in pulp and paper production. The food products group, rubber products and petroleum products showed increases in excess of 2 per cent. The only two industry groups to show a decline were leather products and clothing, both of which declined by about one per cent.

Within durable manufacturing, which was up by 2.3 per cent, over three-quarters of the increase came from iron and steel products and transportation equipment which increased by 3.9 and 2.4 per cent, respectively. Primary iron and steel and the machinery and machine shops group were the largest contributors to the first quarter gain. The 2.7 per cent increase in motor vehicle output and the sharp gain in aircraft and parts production accounted for most of the advance in the output of the transportation equipment group. Non-metallic mineral products increased by 4.6 per cent, because of strong gains in the output of cement and concrete products. Electrical apparatus and supplies and non-ferrous metal products showed increases of 2.3 and 0.7 per cent in the first quarter, the latter largely as a result of a small increase in smelting and refining. The only major industry group to decline was wood products, down 2 per cent, because of a sharp drop in the output of sawmills.

COMPARISON OF MANUFACTURING WITH TRADE AND TRANSPORTATION,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



The next largest contributions to the first quarter gain in non-agricultural real output came from trade, which was up by 1.7 per cent, construction, up by 3.1 per cent, and finance, insurance and real estate which increased by 1.9 per cent. Within trade, the retail component showed a gain of 3.5 per cent, while wholesale trade declined moderately. Department stores, furniture and appliance stores, lumber and building material dealers, farm implement dealers and farm feed stores were among the retail trades to show large gains. Sales of motor vehicle dealers showed little change from the levels achieved in the previous quarter, although sales for the month of March were quite high. Among the components of wholesale trade to show strong gains in the first quarter were farm machinery, construction material and supply dealers, hardware dealers, wholesalers of meat and dairy products and

clothing products. Sales of commercial, institutional and service equipment and industrial and transportation equipment and supplies also increased sharply. These gains, however, were more than offset by declines in many of the other components of wholesale trade.

First quarter gains among other major industry groupings ranged from about one to about 7 per cent. Transportation, storage and communication showed an increase of 1.3 per cent, with most of the gain coming from the transportation industries. Storage declined by 4 per cent. Within transportation, which advanced by 1.8 per cent, the strong gains in railway and water transport were considerably dampened by the decline in the output of the strike-affected trucking industry. Mining increased by 2.2 per cent in the first quarter, largely as a result of the 3 per cent advance in metal mining. Within metal mining gains were widespread, with zinc, lead and copper production showing the largest gains. Non-metal mining was up by 4.9 per cent. The community, recreation, business and personal services group advanced by 1.2 per cent, with the business service component accounting for most of this gain. Electric power and gas utilities and forestry increased by 3.6 and 6.7 per cent, respectively, the latter largely as a result of strong increases in pulp-wood production.

TABLE B

Per cent changes in major industry groupings
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - 1Q'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - 1Q'66(1)
Real domestic product less						
agriculture	21.4	9.0	37.1	23.1	10.5	37.9
Forestry	19.0	1.3	16.2	17.9	33.7	30.2
Fishing and trapping	1.8	- 18.4	38.3	3.9	- 7.4	- 15.6
Mining	55.5	24.7	34.9	48.6	16.2	42.3
Manufacturing	20.1	6.1	48.9	24.4	12.8	53.0
Non-durable	19.3	12.9	42.4	19.4	14.6	41.5
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	34.7	34.0	- 3.9	42.8
Electric power and gas						
utilities	44.4	38.1	66.9	33.9	28.9	61.1
Other goods industries, n.e.c.	9.7	- 4.1	15.5	21.2	1.5	15.6
Transportation, storage and						
communication	26.4	7.9	42.8	34.6	9.7	39.6
Transportation	25.7	4.7	45.4	40.1	9.0	42.9
Trade	20.7	6.9	31.7	24.5	9.7	33.7
Wholesale	20.8	11.0	33.5	31.9	16.8	43.4
Retail	20.6	4.7	30.7	20.8	6.1	28.6
Finance, insurance and real						
estate	16.9	15.5	30.6	12.0	9.6	26.2
Public administration and						
defence	10.4	9.1	8.9	7.0	5.1	4.1
Community, recreation, business						
and personal service	12.0	12.2	26.4	10.6	11.1	23.6

(1) At the end of the first quarter of 1966, production was still expanding.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.2	267.8	263.0	136.0	232.0	175.4	216.0	237.9
2								
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	176.0	267.8	276.4	145.0	239.0	180.3	210.1	233.2
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.7	430.8	253.7	186.7	257.2	276.2	194.2
2								
3								
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.0	414.8	252.2	188.6	249.0	300.6	194.9
2								
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

[illegible]

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial - Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.3	218.4	189.9	184.2	254.7	207.5	232.9	200.9	271.5
2									
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.3	188.7	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	238.8	200.5	220.7	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	175.0	182.8	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.5	188.3	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.3	193.9	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.6	189.7	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.2	185.7	203.0	192.9	245.9
2	190.6	212.5	190.6	178.1	237.2	202.3	221.0	198.3	254.0
3	183.8	216.7	198.6	184.5	244.0	203.7	224.8	204.0	250.7
4	218.2	214.0	189.8	182.1	253.7	210.1	234.0	199.2	268.9
1966 - 1	172.8	214.5	183.6	179.3	241.8	196.6	220.2	196.8	270.1
2									
3									
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

Least Squares of Logarithms Growth Rates, 1946-65

	Annual growth rate %		Annual growth rate %
Index of Industrial Production	5.61	Durable manufactures - Concluded	
Mining	9.10	Iron and steel products	4.77
Metals	7.17	Machinery	4.42
Gold	N.A.	Iron castings	4.35
Copper	4.98	Primary iron and steel	6.79
Iron ore	N.A.	Sheet metal products	5.92
Nickel	4.58	Transportation equipment	4.10
Non-metals	5.97	Aircraft and parts	7.42
Asbestos	4.66	Motor vehicles	6.21
Fuels	12.60	Motor vehicle parts	5.36
Coal	- 3.98	Railway rolling stock	- 3.26
Natural gas	17.88	Shipbuilding and repairs	0.32
Petroleum	21.37	Non-ferrous metal products	3.83
		Brass and copper products	2.27
		Smelting and refining	4.15
		Electrical apparatus and supplies	7.02
Manufacturing	4.78	Heavy electrical machinery	4.92
		Telecommunication equipment	13.11
Non-durable manufactures	4.82	Refrigerators and appliances	8.89
Foods and beverages	3.88	Non-metallic mineral products	6.91
Foods	3.55	Concrete products	15.76
Meat products	3.06	Hydraulic cement	7.80
Dairy products	4.64	Domestic clay products	2.38
Canning and processing	3.54		
Grain mill products	2.83	Electric power and gas utilities	9.58
Bakery products	2.49	Electric power	9.00
Miscellaneous foods	4.61	Gas utilities	13.11
Beverages	4.95		
Carbonated beverages	5.62	Agriculture	1.50
Breweries	4.35		
Distilleries	5.64	Forestry	1.60
Tobacco and tobacco products	6.11		
Rubber products	4.22	Fishing and trapping	1.70
Leather products	1.63		
Boots and shoes	1.97	Construction	5.10
Textiles	4.22		
Cotton goods	1.71	Transportation, storage and communication	4.60
Wool goods	- 1.14	Transportation	4.00
Synthetic textiles and silk	8.19	Storage	5.60
Clothing	2.98	Trade	4.00
Paper products	4.12	Wholesale	4.40
Pulp and paper	3.95	Retail	3.80
Printing and publishing and allied			
industries	5.33	Finance, insurance and real estate	4.90
Products of petroleum and coal	8.60		
Petroleum products	9.22	Public administration and defence	3.90
Chemicals and allied products	7.64		
Acids, alkalies, salts and		Community, recreation, business and	
fertilizers	9.81	personal service	3.60
Miscellaneous manufactures	9.07		
		Goods	4.50
Durable manufactures	4.73	Goods less agriculture	5.00
Wood products	3.42		
Saw and planing mills	3.55	Service-producing industries	4.00
Veneers and plywoods	8.40		
Saw mills	3.08	Real Domestic Product, less agriculture	4.00
Furniture	4.32	Real Domestic Product	4.00

CATALOGUE No.

61-005

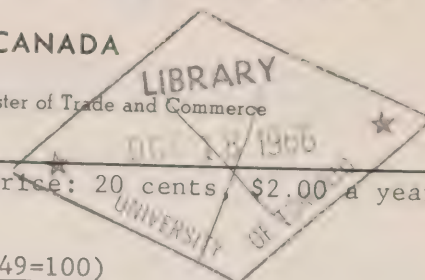
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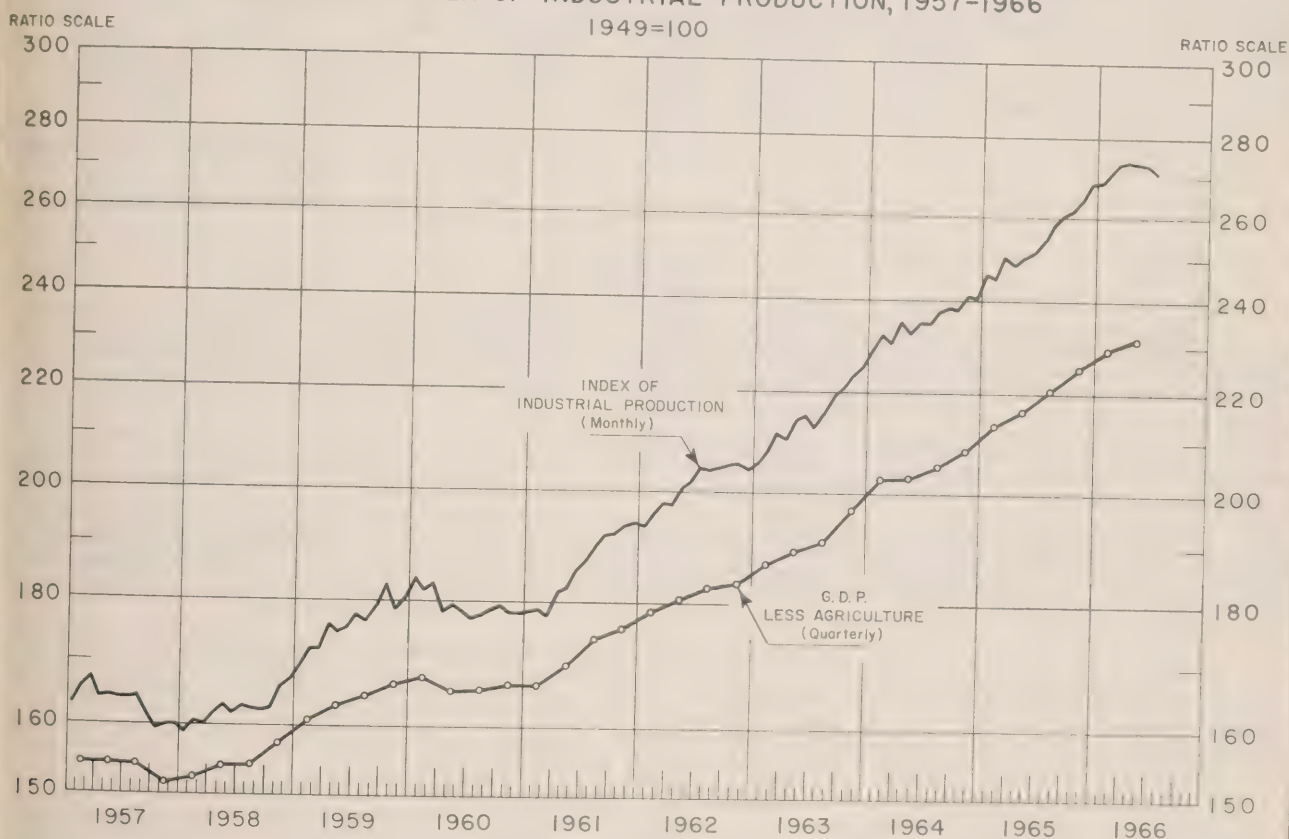
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

JULY 1966

The seasonally adjusted index of industrial production declined by 0.8 per cent in July.

Non-agricultural real output increased by 0.8 per cent in the second quarter.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966
1949=100



New This Issue: This issue includes indexes of non-agricultural real output for the second quarter of 1966.

National Accounts and Balance of Payments Division
Industrial Output Section

JULY INDEX OF INDUSTRIAL PRODUCTION

The July seasonally adjusted Index of Industrial Production fell by 0.8% to 271.4 from the revised June level of 273.5, marking the third consecutive month of decline. With manufacturing virtually unchanged, the July decrease was the result of drops of 3.9% and 1.8% in mining and, in electric power and gas utilities, respectively.

With this latest monthly movement, the Index of Industrial Production, measuring about one-third of the economy, is higher by about 9% in the January to July period this year over the same period last year; however, on a seasonally adjusted basis, the July index is at virtually the same level as that attained in February of this year.

In mining, the decline was confined to metals, which fell by more than 13 per cent, as fuels and non-metals each advanced by about 3%. Within the metal mining detail, nearly all of the decrease was attributable to labour disputes affecting iron ore (- 42%), nickel (- 27%) and copper (- 20%). These declines were partially offset by generally sizeable gains in the remaining metals. In fuels the entire increase was due to a 5 per cent advance in crude petroleum as both coal and natural gas fell. The decline in coal was in large part due to decreased usage of coal for thermal electric power generation as a result of unusually high water levels.

Manufacturing in July recorded its third consecutive monthly decline, as the 0.5 per cent drop in durables was almost entirely offset by the 0.4 increase in non-durables.

Six of the eleven major non-durables components advanced in July, but the bulk of the non-durables increase was confined to rubber products, (+ 10%), chemical and allied products, (+ 2%), and foods and beverages, (+ 1%). On the other hand major declines occurred in textiles, pulp and paper, and leather products.

Of the 6 major durables components, 4 advanced from June. Declines of 4 per cent each in transportation equipment and non ferrous metal products were only partially offset by advances ranging from 1/2 to 2 per cent in the remaining 4 major components. Within non ferrous metal products nearly all of the decline occurred in smelting and refining which fell by 7 per cent, again in large part due to labour disputes. In transportation equipment motor vehicles fell by nearly 9 per cent. In electrical apparatus and supplies the major contribution to the 2 per cent increase was made by telecommunication equipment, which advanced by 6 per cent, largely attributable to colored television set production.

Both components contributed to the 2 per cent decline in electric power and gas utilities, as they fell by 2 per cent and 1 per cent respectively.

SPECIAL NOTE

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and later data will appear in current issues of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Feb.	Mar.	Apr.	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	32.231	271.5	273.8	274.1	274.0	273.5	271.4
MINING	3.245	387.1	390.4	393.5	397.8	393.8	378.6
Metals	1.925	264.3	262.8	261.7	259.7	262.3	227.4
Gold	0.575	81.4	77.6	74.4	80.0	69.4	74.2
Copper	0.352	198.5	198.9	186.0	206.6	214.2	171.1
Iron ore	0.099	1,465.2	1,234.9	1,327.1	1,260.3	1,257.2	733.3
Nickel	0.333	193.1	217.9	203.3	182.4	208.3	151.2
Non-metals	0.268	417.4	433.1	409.6	409.9	376.0	388.4
Asbestos	0.189	294.7	319.0	292.9	293.3	281.5	295.3
Fuels	0.915	614.1	622.5	652.2	671.1	658.5	678.1
Coal	0.553	58.2	54.2	52.1	56.9	55.5	49.9
Natural gas	0.035	1,504.6	1,497.6	1,597.1	1,691.5	1,632.8	1,560.1
Petroleum	0.327	1,458.8	1,490.0	1,565.9	1,600.7	1,573.9	1,646.0
MANUFACTURING, TOTAL	27.340	244.6	246.8	247.2	245.5	245.2	245.1
NON-DURABLE MANUFACTURES	14.742	236.8	240.4	240.3	239.7	240.0	241.0
Foods and beverages	3.814	200.9	202.6	202.8	201.9	206.9	208.9
Foods	2.896	192.7	194.0	196.2	194.7	196.9	198.8
Meat products	0.523	185.9	198.8	190.2	195.7	196.5	190.5
Dairy products	0.450	202.7	202.6	196.6	195.5	199.1	203.1
Canning and processing	0.453	205.0	209.4	224.6	207.2	215.0	219.4
Grain mill products	0.322	207.6	195.7	208.3	203.0	201.5	210.7
Bakery products	0.558	152.6	154.8	155.9	157.0	157.2	155.3
Miscellaneous foods	0.590	211.4	207.6	211.1	214.9	216.4	221.4
Beverages	0.918	226.7	229.8	223.6	224.3	238.6	240.7
Carbonated beverages	0.231	225.6	200.6	209.4	217.8	225.5	235.1
Breweries	0.463	200.6	193.2	197.3	186.4	195.2	208.8
Distilleries	0.203	290.3	349.8	300.1	321.2	357.5	324.6
Tobacco and tobacco products ..	0.248	270.5	267.5	261.8	252.6	241.4	233.7
Rubber products	0.430	260.3	263.4	265.4	250.3	237.5	261.7
Leather products	0.508	135.1	137.2	137.9	137.9	140.2	132.8
Boots and shoes	0.307	131.9	134.0	136.9	138.7	143.3	132.2
Textiles	1.623	229.0	231.6	226.4	221.7	226.6	224.0
Cotton goods	0.507	147.8	148.2	128.0	121.5	117.7	108.8
Woollen goods	0.300	91.4	94.9	93.8	94.6	101.4	89.2
Synthetic Textiles and Silk	0.429	412.9	419.2	428.7	417.8	431.7	439.3
Clothing	1.801	174.1	179.9	182.5	180.6	179.8	180.1
Paper products	2.649	217.5	217.9	214.3	221.5	219.2	215.1
Pulp and paper	2.108	213.7	213.9	208.6	216.2	213.3	207.0

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Feb.	Mar.	Apr.	May	June	July
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	234.2	243.4	234.1	246.8	237.8	241.6
Products of petroleum and coal Petroleum products	0.513 0.454	356.9 387.2	367.2 399.5	386.2 420.7	368.8 401.1	377.4 411.1	376.9
Chemicals and allied products Acids, alkalies, salts and fertilizers	1.359 0.346	374.8 506.1	379.8 503.8	387.9 532.8	377.7 540.0	377.4 528.0	385.1 537.5
Miscellaneous manufactures	0.524	429.9	439.0	445.7	447.2	446.9	450.9
DURABLE MANUFACTURES	12.598	253.7	254.3	255.2	252.3	251.2	249.9
Wood products	2.108	184.2	188.4	190.1	189.4	185.1	188.3
Saw and planing mills	1.444	180.2	186.2	189.2	188.8	182.3	186.4
Veneers and plywoods	0.122	434.4	435.6	433.4	449.5	431.4	428.1
Sawmills	0.994	171.4	179.5	184.7	182.8	176.0	181.3
Furniture	0.460	234.8	234.5	232.7	231.9	232.5	234.7
Iron and steel products	4.026	258.0	256.2	257.6	252.9	249.0	250.1
Machinery	0.851	273.0	273.0	272.0	273.0	271.6	273.0
Iron castings	0.387	233.3	188.2	212.6	216.8	191.4	178.5
Primary iron and steel	0.845	341.6	349.1	342.3	325.0	320.7	321.2
Sheet metal products	0.359	293.2	296.1	295.5	292.2	281.4	285.2
Transportation equipment	2.651	278.5	275.8	271.5	258.9	266.8	254.7
Aircraft and parts	0.203	383.7	396.8	411.8	409.1	404.3	410.2
Motor vehicles	1.035	392.5	383.9	371.9	343.4	367.0	335.1
Motor vehicle parts	0.462	343.7	340.2	337.3	330.6	327.0	326.2
Railway rolling stock	0.621	62.9	61.6	61.2	63.2	61.6	61.4
Shipbuilding and repairs	0.261	172.2	178.9	176.4	166.9	165.6	165.6
Non-ferrous metal products	1.601	192.5	194.5	196.2	198.9	200.2	192.1
Brass and copper products ...	0.241	175.6	182.6	187.1	185.4	184.1	185.9
Smelting and refining	1.028	189.3	190.8	192.2	197.5	199.1	185.4
Electrical apparatus and supplies	1.418	340.2	341.1	356.3	363.7	357.8	366.5
Heavy electrical machinery ..	0.489	266.4	265.3	266.9	266.3	268.3	269.6
Telecommunication equipment	0.142	839.1	871.5	971.8	1,038.8	1,019.8	1,083.9
Refrigerators and appliances	0.227	345.1	332.2	351.4	346.0	319.0	334.9
Non-metallic mineral products	0.794	302.5	314.6	300.3	302.7	298.6	305.1
Concrete products	0.098	977.0	987.4	878.0	905.1	892.7	901.5
Hydraulic cement	0.117	323.8	389.5	337.4	313.7	303.7	344.3
Domestic clay products	0.083	152.9	145.6	141.5	141.8	148.1	
ELECTRIC POWER AND GAS UTILITIES	1.646	490.7	492.3	485.5	503.5	506.1	496.9
Electric power	1.480	449.2	455.6	448.4	464.7	470.7	461.5
Gas	0.166	860.5	819.6	816.3	849.9	821.8	812.4

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			May	June	July	May	June	July
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	253.6	260.7	241.0	276.1	282.3	255.4
MINING	346.4	365.6	354.5	369.7	358.7	398.4	406.5	369.4
Metals	245.7	249.5	258.3	262.4	252.8	274.5	283.9	222.3
Gold	85.9	80.6	79.6	84.1	73.2	79.5	70.4	70.5
Copper	187.8	195.6	212.9	193.3	206.2	203.5	220.0	172.6
Iron ore	1,185.3	1,236.8	1,371.9	1,404.2	1,540.7	1,512.3	1,571.5	953.3
Nickel	181.0	209.9	215.9	203.3	198.2	193.7	205.8	137.6
Non-metals	312.8	377.2	370.8	399.4	358.7	422.6	394.7	368.4
Asbestos	259.9	269.4	268.6	280.8	246.7	297.1	289.1	272.0
Fuels	557.7	592.8	530.8	558.8	550.2	630.5	634.3	641.9
Coal	55.1	56.3	49.4	51.7	40.3	50.9	51.1	34.9
Natural gas	1,382.3	1,476.4	1,391.4	1,336.8	1,247.3	1,590.0	1,453.2	1,313.6
Petroleum	1,319.2	1,405.5	1,252.9	1,337.8	1,337.8	1,507.9	1,533.0	1,596.6
MANUFACTURING, TOTAL	211.9	230.1	232.2	239.7	219.3	249.7	257.1	232.4
NON-DURABLE MANUFACTURES	211.2	224.1	223.2	228.5	212.3	240.2	248.2	228.8
Foods and beverages	185.6	193.1	188.0	202.8	202.6	198.8	221.7	222.8
Foods	180.6	187.4	180.8	191.9	198.0	187.2	202.8	213.1
Meat products	182.6	192.3	186.4	179.9	185.9	190.8	187.1	176.6
Dairy products	189.6	196.0	215.0	247.9	220.2	218.0	253.7	233.6
Canning and processing	190.0	197.2	165.7	198.4	267.1	167.4	214.3	321.2
Grain mill products	184.1	189.3	180.7	180.9	175.8	196.1	199.9	197.1
Bakery products	151.3	151.7	149.0	155.3	158.7	153.7	161.3	163.2
Miscellaneous foods	190.6	201.9	191.5	195.5	188.0	202.5	209.6	202.9
Beverages	201.3	211.0	210.8	237.4	217.0	235.5	281.3	253.2
Carbonated beverages	181.0	186.2	199.1	215.2	221.5	229.1	272.0	301.9
Breweries	185.7	191.1	225.7	239.2	227.1	214.9	245.9	256.8
Distilleries	262.1	284.8	196.1	266.4	192.3	298.1	386.1	196.7
Tobacco and tobacco products	232.1	243.4	255.6	279.4	179.1	263.2	278.8	170.6
Rubber products	232.8	237.4	256.1	240.3	175.4	256.8	270.8	200.2
Leather products	137.3	135.2	130.4	131.6	97.4	135.6	139.2	98.1
Boots and shoes	136.9	134.3	128.8	128.8	88.1	136.9	142.4	88.3
Textiles	203.3	220.6	223.4	228.6	173.9	225.6	239.6	175.8
Cotton goods	141.2	149.7	150.3	139.8	100.3	122.7	115.6	72.9
Woollen goods	91.2	89.6	91.7	103.7	71.7	97.2	115.8	71.5
Synthetic textiles and silk	338.4	391.3	401.1	426.1	292.2	428.7	474.0	317.6
Clothing	163.4	171.2	165.0	166.3	168.4	177.0	175.5	176.1
Paper products	186.3	198.3	197.8	199.9	192.9	221.0	222.4	210.2
Pulp and paper	182.0	192.8	193.7	193.7	184.2	216.2	215.2	199.5

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	May	June	July	May	June	July
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	230.9	222.4	205.9	260.7	241.7	221.2
Products of petroleum and coal	330.1	345.9	328.4	346.0	359.9	344.0	375.7	380.5
Petroleum products	357.9	375.5	355.2	375.8	391.2	372.6	409.0	
Chemicals and allied products	312.7	344.7	355.7	355.0	315.6	391.9	390.2	347.3
Acids, alkalies, salts and fertilizers	416.5	469.0	477.3	463.6	390.5	562.1	523.2	439.1
Miscellaneous manufactures	386.5	407.3	390.8	403.6	411.1	434.2	444.2	451.8
DURABLE MANUFACTURES	212.7	237.2	242.6	252.8	227.6	260.8	267.4	236.6
Wood products	174.3	181.7	176.9	191.6	178.7	187.3	195.2	189.5
Saw and planing mills	180.0	182.8	177.7	198.2	178.7	186.9	197.7	188.4
Veneers and plywoods	397.7	403.8	375.9	380.0	296.5	436.0	421.0	370.3
Sawmills	172.8	177.1	175.7	202.2	181.6	183.9	199.4	189.1
Furniture	192.6	216.3	210.8	213.4	215.2	228.2	229.7	232.1
Iron and steel products	215.2	239.1	243.0	254.6	233.9	260.8	262.1	242.3
Machinery	213.1	248.1	240.7	246.7	251.8	270.5	272.7	275.5
Iron castings	199.3	218.9	229.7	274.8	208.3	240.7	225.9	162.4
Primary iron and steel	291.2	320.0	342.7	346.3	306.5	348.1	341.5	303.9
Sheet metal products	248.1	274.2	274.0	290.4	294.7	291.9	297.4	301.7
Transportation equipment	210.5	250.0	280.0	284.4	230.4	292.8	305.6	220.6
Aircraft and parts	336.3	319.3	289.0	320.5	322.9	405.0	410.0	406.1
Motor vehicles	274.2	347.6	427.9	433.3	305.9	422.0	458.8	254.7
Motor vehicle parts	262.2	317.2	320.6	320.8	299.8	347.1	337.5	311.2
Railway rolling stock	58.9	62.6	61.7	62.4	63.6	62.3	61.6	62.3
Shipbuilding and repairs	148.7	161.9	168.2	164.9	155.6	174.9	174.0	168.6
Non-ferrous metal products	174.2	186.9	183.7	185.1	179.7	199.0	201.4	185.4
Brass and copper products ...	155.6	162.7	148.4	143.6	141.9	183.4	182.3	183.0
Smelting and refining	176.5	188.9	189.8	191.2	181.6	198.9	201.5	175.4
Electrical apparatus and supplies	279.1	319.2	310.3	317.5	279.0	353.6	354.9	322.1
Heavy electrical machinery ..	213.0	241.6	237.7	243.8	245.2	265.2	270.7	271.8
Telecommunication equipment	744.5	895.1	812.0	832.2	579.9	945.3	925.0	719.1
Refrigerators and appliances	274.9	301.9	323.6	331.5	262.2	356.4	351.2	295.4
Non-metallic mineral products	268.2	286.9	287.9	321.4	321.2	307.6	335.3	337.1
Concrete products	814.1	858.0	895.0	1,027.9	1,022.3	950.4	1,073.0	1,054.1
Hydraulic cement	277.5	298.8	336.3	384.0	375.0	354.8	390.5	423.1
Domestic clay products	138.3	142.8	146.8	151.9	151.5	151.6	162.9	
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	411.4	394.6	368.5	474.2	457.2	413.1
Electric power	371.5	408.8	382.9	376.0	358.3	447.0	440.6	406.1
Gas	711.0	800.6	665.5	560.8	459.2	725.8	604.8	476.1

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

	Per cent changes in major industry groupings over recent cycles in production					
	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIQ'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIQ'66(1)
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.0
Forestry	19.0	1.3	23.9	17.9	33.7	38.8
Fishing and trapping	1.8	- 18.4	41.5	3.9	- 7.4	- 13.7
Mining	55.5	24.7	38.9	48.6	16.2	46.6
Manufacturing	20.1	6.1	49.5	24.4	12.8	53.6
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.3	30.1	10.9	67.4
Construction	27.8	- 0.9	35.7	34.0	- 3.9	43.8
Electric power and gas						
utilities	44.4	38.1	69.5	33.9	28.9	63.6
Other goods industries, n.e.c.	9.7	- 4.1	16.7	21.2	1.5	16.8
Transportation, storage and						
communication	26.4	7.9	47.9	34.6	9.7	44.5
Transportation	25.7	4.7	50.8	40.1	9.0	48.2
Trade	20.7	6.9	28.0	24.5	9.7	29.9
Wholesale	20.8	11.0	33.0	31.9	16.8	42.9
Retail	20.6	4.7	25.1	20.8	6.1	23.1
Finance, insurance and real						
estate	16.9	15.5	32.4	12.0	9.6	27.8
Public administration and						
defence	10.4	9.1	11.6	7.0	5.1	6.7
Community, recreation, business						
and personal service	12.0	12.2	27.0	10.6	11.1	24.2

1) At the end of the second quarter of 1966, production was still expanding.

Real Domestic Product less Agriculture,
Second Quarter, 1966

At an index level of 231.7 for the second quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 0.8 per cent higher than in the preceding quarter.

Non-agricultural real output for the first six months of 1966 was 7.4 per cent above the comparable 1965 figure. This increase compares favourably with the 4.7 per cent post-war average rate of growth for non-agricultural real output, as production would actually have to decline by about one per cent in each of the third and fourth quarters (on a seasonally adjusted basis) in order to reduce the 1966 gain to 4.8 per cent. A one per cent increase in each of the last two quarters of 1966 would result in a 6.4 per cent increase for the year 1966 as a whole. The following are the percentage changes in the major industry groupings resulting from a comparison of the first six months of 1966 with the first six months of 1965, on a seasonally unadjusted basis:

Real Domestic Product, less agriculture	7.4
Forestry	4.1
Fishing and trapping	0.4
Mining	8.6
Manufacturing	9.2
Construction	10.8
Electric power and gas utilities	13.2
Transportation, storage and communication	8.7
Trade	4.9
Finance, insurance, real estate	4.9
Public administration and defence	1.8
Community, recreation, business and personal service	4.6

Table (A) shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 39.0 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real out-put increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak in the cycle in aggregate production (see Table on page 7). The current expansion has been of considerably longer duration than the preceding two, having now lasted for twenty-one quarters.

Turning to the second quarter of 1966, the goods-producing industry group (less agriculture) advanced by 1.3 per cent from the first quarter level and accounted for over 80 per cent of the increase in non-agricultural real output, with all major industry groupings contributing to this gain. The service-producing industry group showed only a fractional increase, 0.2 per cent. This was largely the result of the strong dampening influence of the 2.8 per cent decline in trade upon gains in the other service-producing industries.

The 3.4 per cent advance in the transportation, storage and communication group was the largest single contributor to the second quarter gain in non-agricultural real output, accounting for about 40 per cent of this increase. Within transportation, storage and communication, all three components advanced from first quarter levels. The 3.5 per cent increase in transportation accounted for the larger part of the gain and originated mostly with the strong increases in air, pipeline and truck transport, which showed gains ranging from 6 1/2 to 7 per cent. The increase in truck transport was probably at least partly due to a recovery from a strike-affected first quarter level. The bus and coach, railway and water transport industries also showed increases in the second quarter. It should be noted that the labour disputes in several Canadian ports during the second quarter do not appear to have had a significant effect on Canadian registered shipping during that period.

The next largest contribution to the second quarter gain in non-agricultural real output came from the 3.0 per cent advance in mining, which accounted for just over one-fifth of the increase. Within mining, the 9.3 per cent gain in fuel mining, originating mostly with crude petroleum mining, accounted for all of the gain, as metal mining and non-metal mining declined by 0.9 and 5.4 per cent, respectively. The iron ore component of metal mining showed a particularly large decrease, 10.7 per cent.

TABLE A.

	IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	32.4	32.4	35.2	35.2	37.9	37.9	39.0	39.0
Forestry	20.2	.4	22.0	.4	27.9	.5	38.8	.7
Fishing and trapping ..	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1	- 13.7	- .1
Mining	38.4	2.3	39.2	2.3	42.3	2.5	46.6	2.7
Manufacturing	45.3	13.3	49.3	14.5	53.0	15.6	53.6	15.8
Non-durable	34.8	5.8	37.9	6.3	41.6	6.9	43.0	7.1
Durable	58.9	7.5	64.2	8.2	67.8	8.7	67.4	8.6
Construction	33.7	2.3	38.5	2.6	41.0	2.8	43.8	3.0
Electric power and gas utilities	47.3	1.6	55.5	1.9	61.1	2.0	63.6	2.1
Other goods, n.e.c. ...	14.9	.2	15.2	.2	16.1	.2	16.8	.2
Transportation, storage and communication ...	34.8	3.3	37.9	3.6	39.8	3.8	44.5	4.2
Transportation	37.4	2.6	40.4	2.8	43.2	3.0	48.2	3.3
Trade	28.7	4.3	31.4	4.8	33.6	5.1	29.9	4.5
Wholesale	41.0	2.1	45.2	2.3	43.7	2.3	42.9	2.2
Retail	22.3	2.2	24.3	2.4	28.4	2.8	23.1	2.3
Finance, insurance and real estate	23.3	2.5	23.8	2.5	26.3	2.8	27.8	3.0
Public administration and defence	4.4	.3	5.1	.3	5.3	.3	6.7	.4
Community, recreation, business and personal service	20.8	2.1	22.2	2.3	23.6	2.4	24.2	2.5

Note: The columns may not add to the total due to rounding.

Among the other goods-producing industries, increases of about 2 per cent were recorded by construction, electric power and gas utilities and fishing and trapping, while forestry output advanced by 8.6 per cent, largely as a result of substantial increases in pulpwood production.

Manufacturing, which is usually the largest contributor to changes in non-agricultural real output, showed a fractional gain in the second quarter, thus accounting for only about 17 per cent of the total gain. Within manufacturing, a 1.0 per cent increase in non-durable manufacturing was dampened by a 0.2 per cent decline in durables.

The bulk of the decline in durables came from a 6.6 per cent drop in motor vehicles and a 3.3 per cent decline in motor vehicle parts production, which resulted in a 3.6 per cent decrease in the transportation equipment group. Almost all of the 1.6 per cent decline in the iron and steel products group (its first since the beginning of the current expansion in aggregate production) came from the primary iron and steel and the iron castings industries which decreased by 3.7 and 8.9 per cent, respectively. The non-metallic minerals group also declined in the second quarter (- 2.1%), as a result of sharp drops in its cement and concrete cement products components. Increases ranging from one to 6 per cent were recorded by the wood products, non-ferrous metal and electrical apparatus groups. All of the increase in wood products came from a 3.5 per cent gain in saw mills, while the 2.5 per cent increase in smelting and refining accounted for most of the advance in the non-ferrous metals group. Most notable, however, was the 20.0 per cent increase in the telecommunication equipment component of the electrical apparatus and supplies group, which represented a recovery from a decline earlier in the year.

Within non-durable manufacturing, the output of most industry groups advanced from first quarter levels. The largest increase, 6.5 per cent, was recorded by the petroleum products group, followed by clothing, miscellaneous manufacturing industries, chemicals and foods and beverages, the last mentioned group increasing by 1.4 per cent. Total food products advanced by 1.1 per cent, while beverage products showed a gain of 2.3 per cent. Within chemicals, the 4.9 per cent gain in the acids, alkalies, salts and fertilizers industry contributed the major part of the increase. The output of the tobacco, rubber, and textile products groups declined from first quarter levels, the last as a result of strikes in the industry.

CHART-1

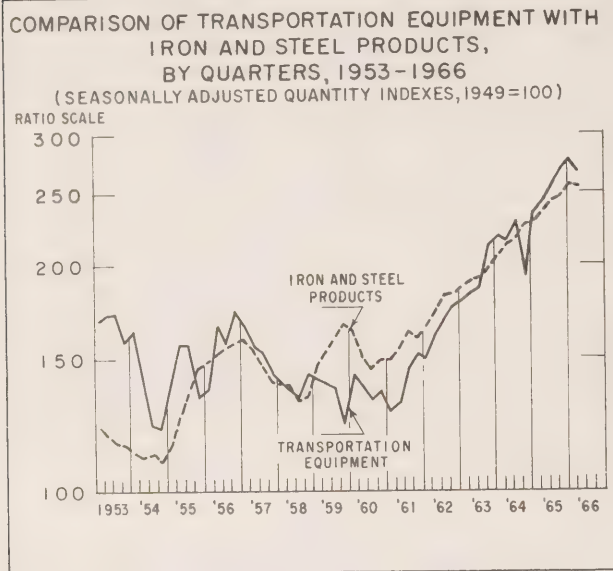
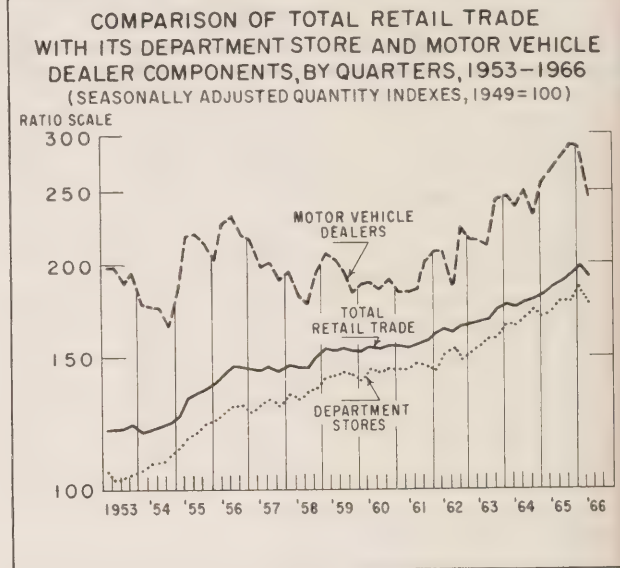


CHART-2



Trade was the only major industry grouping to show a decline in the second quarter, with most of the decrease coming from a 4.1 per cent decline in retail trade. Wholesale trade showed a fractional decline. Within retail trade, most components recorded decreases from very high first quarter levels. However, the 15 per cent and 4.5 per cent declines in motor vehicle dealer and department store sales were the largest contributors to the drop in retail trade, accounting for about two-thirds of the decline. Clothing stores, furniture and appliances and lumber and building material dealers also showed declines, ranging from 3 to 7 per cent. Food and variety stores and fuel dealers were among the trades to record gains in the second quarter. Within wholesale trade, sales of textiles, clothing and furnishings, construction materials and supplies, and industrial and transportation equipment and supplies were among the trades to show strong declines from first quarter levels. Substantial increases occurred in wholesale sales of coal and coke and petroleum products.

The remaining service-industry groups showed increases in the second quarter. Public administration and defence increased by 1.4 per cent, with all three components, federal, provincial and municipal, contributing to the increase. The finance, insurance and real estate and the community, recreation, business and personal service groups advanced by 1.2 and 0.5 per cent, respectively, the latter largely as a result of increases in its community service component.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	178.9	122.5	395.0	261.2	398.5	660.6	245.9	240.0
3									
4									
Without seasonal adjustment									
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0 ^r	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966									
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3 ^r	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2 ^r	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2 ^r	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1 ^r	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.3	161.6	114.9	397.2	272.0	409.4	638.7	251.2	241.8

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	203.9	251.9	251.1	138.7	224.9	181.0	218.3	239.6
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.1	266.9	267.5	138.8	232.1	177.8	219.0	249.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.6	252.9	188.2	253.2	265.7	198.4
3								
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.3	262.1	188.3	260.2	300.9	200.2
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1963 - 1	246.8	223.8	172.0	351.0	188.3	175.7	217.2	171.1	182.0
2	251.4	235.7	174.4	360.8	187.8	174.1	202.8	171.4	180.6
3	256.9	240.4	169.8	373.6	190.5	176.2	230.7	171.5	177.9
4	263.5	235.1	180.6	386.2	201.1	188.8	253.6	177.3	185.0
1964 - 1	265.9	259.5	195.8	390.3	204.6	191.9	233.7	184.7	199.9
2	273.3	263.2	181.7	401.2	208.9	195.8	259.4	181.9	195.5
3	283.9	266.3	183.5	413.4	210.7	197.1	252.7	183.8	195.4
4	292.1	282.3	199.1	422.4	213.8	201.0	215.4	185.6	197.7
1965 - 1	307.3	284.2	203.9	434.5	217.0	203.9	208.8	191.1	211.2
2	318.6	281.5	207.6	436.5	220.6	207.9	224.2	195.5	213.6
3	321.3	288.9	211.9	448.8	226.8	214.4	241.1	199.4	218.2
4	331.1	293.5	219.6	473.6	231.9	219.0	241.1	203.6	224.7
1966 - 1	338.1	307.1	223.5	490.6	235.2	223.4	231.6	207.0	222.5
2	359.3	300.6	227.9	498.4	243.1	231.2	256.6	201.2	221.1
3									
4									
	Without seasonal adjustment								
1963	254.9	235.0	173.6	367.5	192.0	178.8	227.1	173.2	181.6
1964	279.1	268.2	190.4	405.7	209.3	196.4	239.6	183.8	197.2
1965	319.2	286.9	211.2 ^r	448.3	224.8	212.2	230.4	197.6	217.1
1966									
1963 - 1	243.6	177.8	109.5	395.9	170.6	153.6	181.4	156.4	181.0
2	244.9	241.8	176.7	349.3	192.4	180.9	212.6	178.0	190.1
3	253.5	274.6	214.2	324.7	203.2	193.8	240.8	165.9	168.1
4	277.7	245.8	194.1	400.3	201.9	186.8	273.4	192.4	186.1
1964 - 1	262.8	206.5	127.5	439.5	186.4	169.6	196.8	170.0	202.1
2	266.8	266.1	188.1	387.6	213.0	202.1	257.6	188.4	206.1
3	278.9	305.6	230.2	357.0	222.6	214.3	261.9	175.9	182.1
4	308.0	294.6	215.8	438.7	215.3	199.6	242.0	200.9	197.1
1965 - 1	303.8	226.2	142.2 ^r	491.3	198.7	181.4	174.0	177.8	217.1
2	311.0	284.0	208.1 ^r	421.9	226.0	215.8	222.1	203.0	226.1
3	313.7	329.1	255.3 ^r	386.7	240.2	233.2	254.4	189.8	201.1
4	348.2	308.1	239.0 ^r	493.3	234.2	218.4	271.2	220.0	223.1
1966 - 1	333.5	245.4	159.8	553.2	213.6	196.6	187.9	192.2	229.1
2	352.3	301.7	228.5	480.6	248.2	239.0	257.5	207.2	231.1
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.3	194.7	185.1	257.4	208.4	234.5	204.5	273.8
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2 ^r	190.1 ^r	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4 ^r	200.5	221.0 ^r	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8 ^r	184.1 ^r	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3 ^r	189.7 ^r	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1 ^r	195.4 ^r	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4 ^r	191.1 ^r	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8 ^r	185.7	203.3 ^r	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9 ^r	202.3	221.3 ^r	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7 ^r	203.7	225.1 ^r	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4 ^r	210.1	234.4 ^r	199.2	268.9
1966 - 1	172.6	214.7	185.8	179.3	242.0	197.0	220.4	198.0	270.0
2	194.7	222.6	195.1	185.5	259.4	211.6	237.3	204.9	277.6
3									
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

TABLE B.

Direct Effects of Motor Vehicle Industries(1) on Non-agricultural Real Output, 1961-66

	Non-agricultural real output		Motor vehicle industries(1)		Non-agricultural real output less motor vehicle industries	
	Index	% Δ	Index	% Δ	Index	% Δ
1949 Industry weight	89.286		2.347		86.939	
Seasonally adjusted indexes, 1949=100						
1961 - 1st Quarter	166.7	-	154.1	- 6.9	167.0	0.2
2nd Quarter	169.9	1.9	158.2	2.7	170.3	2.0
3rd Quarter	174.1	2.5	172.4	9.0	174.2	2.3
4th Quarter	175.8	1.0	183.7	6.6	175.6	0.8
1962 - 1st Quarter	178.6	1.6	183.9	0.1	178.5	1.7
2nd Quarter	180.8	1.2	196.2	6.7	180.4	1.1
3rd Quarter	182.8	1.1	197.1	0.5	182.4	1.1
4th Quarter	183.6	0.4	221.7	12.5	182.6	0.1
1963 - 1st Quarter	187.0	1.9	223.4	0.8	186.0	1.9
2nd Quarter	189.2	1.2	225.6	1.0	188.2	1.2
3rd Quarter	191.0	1.0	228.4	1.2	190.0	1.0
4th Quarter	197.0	3.1	265.3	16.2	195.2	2.7
1964 - 1st Quarter	202.8	2.9	272.5	2.7	200.9	2.9
2nd Quarter	203.1	0.1	264.4	- 3.0	201.5	0.3
3rd Quarter	205.4	1.1	283.7	7.3	203.3	0.9
4th Quarter	208.5	1.5	232.7	- 18.0	207.8	2.2
1965 - 1st Quarter	213.4	2.4	290.3	24.8	211.3	1.7
2nd Quarter	216.4	1.4	306.2	5.5	214.0	1.3
3rd Quarter	220.7	2.0	325.2	6.2	217.8	1.8
4th Quarter	225.4	2.1	341.0	4.9	222.3	2.1
1966 - 1st Quarter	229.8	2.0	342.3	0.4	226.8	2.0
2nd Quarter	231.7	0.8	313.0	- 8.6	229.5	1.2

(1) Includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

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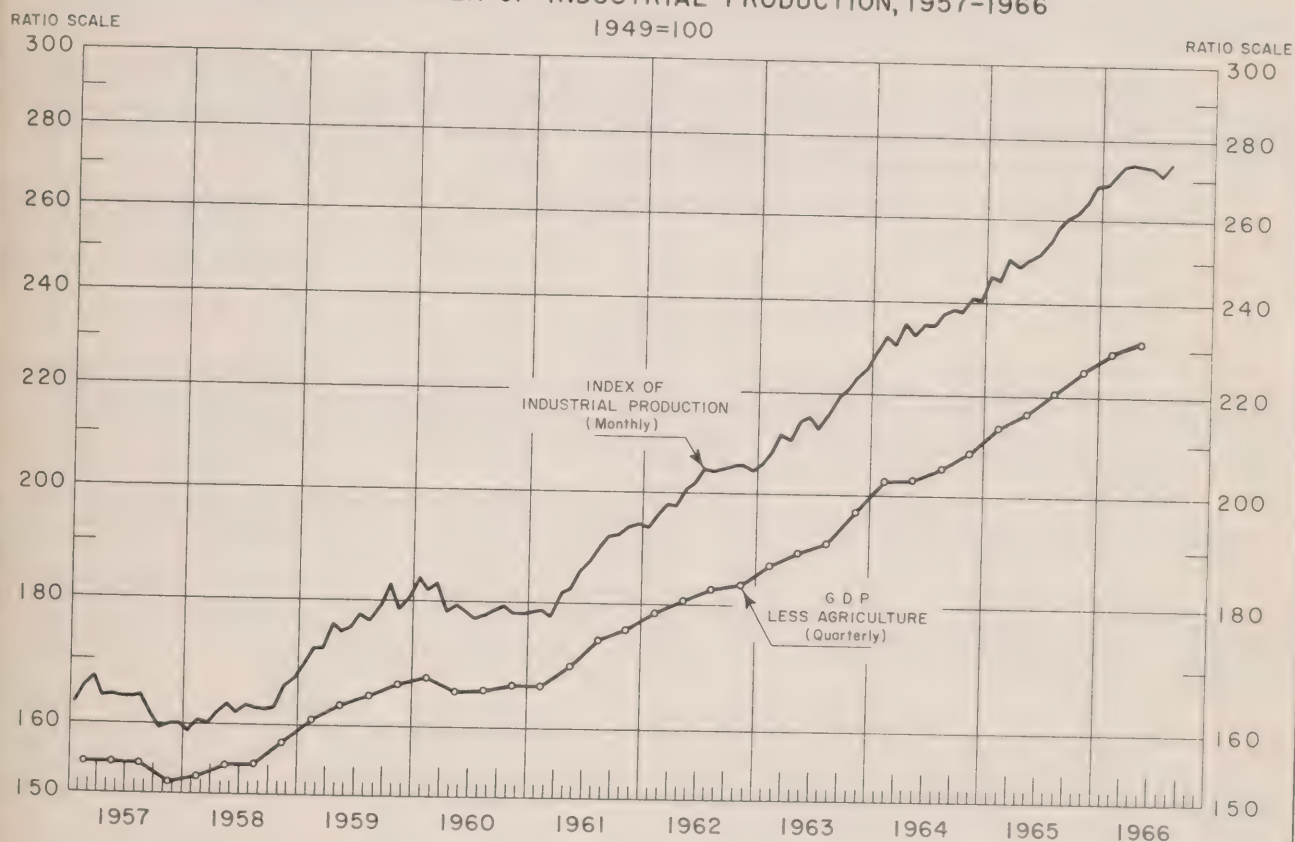
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

AUGUST 1966

The seasonally adjusted index of industrial production advanced by 1.3 per cent in August.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966
1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (2nd quarter 1966).

Industrial Output Section
National Accounts and Balance of Payments Division

October 1966
2205-502

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

AUGUST INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production for August advanced to 274.4, an increase of 1.3 per cent from the revised July level of 270.9. The gain both reversed the direction of the Index in the past three months and also represented a new record high for this economic indicator that measures output in approximately one-third of the economy. All three components contributed to the increase as mining rose by 3.6 per cent, manufacturing by 0.6 per cent, and electric power and gas utilities by 3.5 per cent.

Metal mining, which rose by almost 8 per cent, was the major contributor to the mining gain. The bulk of this increase was due to a very large rise in iron ore as the industry recovered from a strike-depressed July level. With the exception of zinc (+ 11 %), all remaining metal mining components fell. In non-metal mining gains in both asbestos and 'other' non-metals (including potash) resulted in an 11 per cent gain in the total. The fractional drop in fuels was the result of small declines in both natural gas and crude petroleum, largely offset by a 24 % gain in coal from that industry's low July level.

Manufacturing in August resumed its upward movement after a 3 month long decline. Both non-durables and durables contributed to the increase as they rose by 0.2 and 1.0 per cent respectively. In durables 2 major groups rose while 4 fell. Transportation equipment, which rose by 8 per cent, was the major contributor to the durables rise with the balance of the gain resulting from a 2 per cent increase in electrical apparatus and supplies. Declines in the other 4 groups ranged from 1 to about 4 per cent. Within the detail nearly all of the increase in transportation equipment was due to the 15 per cent gain in motor vehicles. In electrical apparatus and supplies nearly all of the gain was due to the 12 per cent increase in the refrigerators and appliances industry.

In iron and steel products (- 0.8%) a good gain of 14 per cent was registered by iron castings. This gain was, however, more than offset by declines in heating and cooking apparatus, wire and wire goods, and primary iron and steel; the latter industry was affected by labour trouble. Non-ferrous metal products fell by 2.8 per cent, continuing its strike-affected decline.

In non-durables, 9 of the 11 major groups rose. Declines of 2 and 1 per cent occurred in food and beverages and in chemical and allied products, respectively. Advances in the remaining components ranged from marginal to more than 4 per cent. Within the detail, the decline of 3-per cent in foods was partially offset by a 2 per cent rise in beverages. In textile products, which advanced by 4.1 per cent, the major contribution came from synthetic textiles and silk (+ 6.1 %). In paper products (+ 2.5 %) nearly all of the increase was due to the 3 per cent gain in pulp and paper.

In electric power and gas utilities, both components contributed to the 3.5 per cent increase; electric power rising by 3 and gas by 4 per cent.

SPECIAL NOTE

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post-1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and later data will appear in current issues of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Mar.	Apr.	May	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	32.231	273.8	274.1	274.0	273.3	270.9	274.4
MINING	3.245	390.4	393.5	397.8	391.5	376.3	389.8
Metals	1.925	262.8	261.7	259.7	258.5	224.5	241.6
Gold	0.575	77.6	74.4	80.0	69.4	74.2	66.1
Copper	0.352	198.9	186.0	206.6	194.4	165.5	162.2
Iron ore	0.099	1,234.9	1,327.1	1,260.3	1,257.2	733.3	1,230.9
Nickel	0.333	217.9	203.3	182.4	208.3	151.2	141.8
Non-metals	0.268	433.1	409.6	409.9	376.0	388.4	430.9
Asbestos	0.189	319.0	292.9	293.3	281.5	295.3	324.9
Fuels	0.915	622.5	652.2	671.1	658.5	678.1	674.8
Coal	0.553	54.2	52.1	56.9	55.5	49.9	61.7
Natural gas	0.035	1,497.6	1,597.1	1,691.5	1,632.8	1,560.1	1,557.7
Petroleum	0.327	1,490.0	1,565.9	1,600.7	1,573.9	1,646.0	1,617.2
MANUFACTURING, TOTAL	27.340	246.8	247.2	245.5	245.3	244.8	246.3
NON-DURABLE MANUFACTURES	14.742	240.4	240.3	239.7	240.2	240.3	240.9
Foods and beverages	3.814	202.6	202.8	201.9	207.8	208.2	204.4
Foods	2.896	194.0	196.2	194.7	197.9	197.9	191.5
Meat products	0.523	198.8	190.2	195.7	196.4	190.2	184.4
Dairy products	0.450	202.6	196.6	195.5	199.1	203.1	196.9
Canning and processing	0.453	209.4	224.6	207.2	216.9	208.4	205.5
Grain mill products	0.322	195.7	208.3	203.0	201.5	210.6	197.7
Bakery products	0.558	154.8	155.9	157.0	157.9	159.1	159.9
Miscellaneous foods	0.590	207.6	211.1	214.9	219.8	222.3	209.7
Beverages	0.918	229.8	223.6	224.3	239.0	240.9	244.9
Carbonated beverages	0.231	200.6	209.4	217.8	225.5	235.1	227.2
Breweries	0.463	193.2	197.3	186.4	195.2	208.8	212.6
Distilleries	0.203	349.8	300.1	321.2	357.5	324.6	340.5
Tobacco and tobacco products ..	0.248	267.5	261.8	252.6	241.4	233.7	241.6
Rubber products	0.430	263.4	265.4	250.3	237.5	261.7	261.7
Leather products	0.508	137.2	137.9	137.9	140.2	133.0	136.7
Boots and shoes	0.307	134.0	136.9	138.7	143.3	131.7	136.5
Textiles	1.623	231.6	226.4	221.7	225.9	223.9	233.1
Cotton goods	0.507	148.2	128.0	121.5	117.7	108.8	110.1
Woollen goods	0.300	94.9	93.8	94.6	101.4	89.2	98.5
Synthetic Textiles and Silk	0.429	419.2	428.7	417.8	431.7	440.1	467.0
Clothing	1.801	179.9	182.5	180.6	180.0	179.6	173.7
Paper products	2.649	217.9	214.3	221.5	219.3	214.2	219.6
Pulp and paper	2.108	213.9	208.6	216.2	213.3	207.0	213.9

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Mar.	Apr.	May	June	July	Aug.
NON-DURABLE MANUFACTURES - Concluded:							
Printing, publishing and allied industries	1.273	243.4	234.1	246.8	237.8	241.5	245.3
Products of petroleum and coal	0.513	367.2	386.2	368.8	377.4	382.9	385.0
Petroleum products	0.454	399.5	420.7	401.1	411.1	416.8	
Chemicals and allied products	1.359	379.8	387.9	377.7	377.4	379.6	376.0
Acids, alkalies, salts and fertilizers	0.346	503.8	532.8	540.0	528.0	537.5	532.7
Miscellaneous manufactures	0.524	439.0	445.7	447.2	447.2	450.1	450.3
DURABLE MANUFACTURES	12.598	254.3	255.2	252.3	251.3	250.1	252.7
Wood products	2.108	188.4	190.1	189.4	185.1	187.9	184.1
Saw and planing mills	1.444	186.2	189.2	188.8	181.9	185.1	179.4
Veneers and plywoods	0.122	435.6	433.4	449.5	431.4	428.1	457.5
Sawmills	0.994	179.5	184.7	182.8	176.0	181.3	169.2
Furniture	0.460	234.5	232.7	231.9	233.5	236.8	237.2
Iron and steel products	4.026	256.2	257.6	252.9	248.7	248.9	247.0
Machinery	0.851	273.0	272.0	273.0	271.0	269.8	271.8
Iron castings	0.387	188.2	212.6	216.8	191.4	178.5	203.7
Primary iron and steel	0.845	349.1	342.3	325.0	321.0	321.8	308.3
Sheet metal products	0.359	296.1	295.5	292.2	280.9	282.8	288.2
Transportation equipment	2.651	275.8	271.5	258.9	266.8	257.3	278.3
Aircraft and parts	0.203	396.8	411.8	409.1	406.5	420.6	418.8
Motor vehicles	1.035	383.9	371.9	343.4	367.0	335.1	385.3
Motor vehicle parts	0.462	340.2	337.3	330.6	327.2	341.4	344.4
Railway rolling stock	0.621	61.6	61.2	63.2	61.5	59.6	60.5
Shipbuilding and repairs	0.261	178.9	176.4	166.9	164.0	161.7	167.7
Non-ferrous metal products	1.601	194.5	196.2	198.9	200.2	190.9	185.5
Brass and copper products ...	0.241	182.6	187.1	185.4	184.3	182.2	185.7
Smelting and refining	1.028	190.8	192.2	197.5	198.9	185.2	175.9
Electrical apparatus and supplies	1.418	341.1	356.3	363.7	359.3	367.7	375.3
Heavy electrical machinery ..	0.489	265.3	266.9	266.3	269.0	272.0	276.8
Telecommunication equipment	0.142	871.5	971.8	1,038.8	1,017.0	1,078.9	1,088.1
Refrigerators and appliances	0.227	332.2	351.4	346.0	323.4	339.8	379.3
Non-metallic mineral products	0.794	314.6	300.3	302.7	298.8	306.5	295.8
Concrete products	0.098	987.4	878.0	905.1	892.7	901.7	860.6
Hydraulic cement	0.117	389.5	337.4	313.7	303.7	344.3	309.0
Domestic clay products	0.083	145.6	141.5	141.8	148.1	147.3	129.2
ELECTRIC POWER AND GAS UTILITIES	1.646	492.3	485.5	503.5	504.8	496.1	513.6
Electric power	1.480	455.6	448.4	464.7	469.2	461.5	477.7
Gas	0.166	819.6	816.3	849.9	821.8	804.1	833.9

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			June	July	Aug.	June	July	Aug.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	260.7	241.0	247.5	282.2	255.0	262.9
MINING	346.4	365.6	369.7	358.7	379.3	404.2	367.1	394.1
Metals	245.7	249.5	262.4	252.8	254.4	280.0	219.6	254.7
Gold	85.9	80.6	84.1	73.2	80.5	70.4	70.5	67.2
Copper	187.8	195.6	193.3	206.2	192.1	199.6	167.0	166.9
Iron ore	1,185.3	1,236.8	1,404.2	1,540.7	1,503.5	1,571.5	953.3	1,583.0
Nickel	181.0	209.9	203.3	198.2	207.3	205.8	137.6	139.0
Non-metals	312.8	377.2	399.4	358.7	399.6	394.7	368.4	426.8
Asbestos	259.9	269.4	280.8	246.7	268.4	289.1	272.0	324.9
Fuels	557.7	592.8	558.8	550.2	603.5	634.3	641.9	643.3
Coal	55.1	56.3	51.7	40.3	36.1	51.1	34.9	39.8
Natural gas	1,382.3	1,476.4	1,336.8	1,247.3	1,292.4	1,453.2	1,313.6	1,322.5
Petroleum	1,319.2	1,405.5	1,337.8	1,337.8	1,489.3	1,533.0	1,596.6	1,591.3
MANUFACTURING, TOTAL	211.9	230.1	239.7	219.3	223.6	257.2	232.1	236.8
NON-DURABLE MANUFACTURES	211.2	224.1	228.5	212.3	230.3	248.4	228.2	244.6
Foods and beverages	185.6	193.1	202.8	202.6	219.6	222.5	222.0	230.6
Foods	180.6	187.4	191.9	198.0	214.6	203.7	212.0	217.3
Meat products	182.6	192.3	179.9	185.9	189.8	187.0	176.3	177.6
Dairy products	189.6	196.0	247.9	220.2	225.5	253.7	233.6	220.3
Canning and processing	190.0	197.2	198.4	267.1	341.1	215.9	309.0	350.8
Grain mill products	184.1	189.3	180.9	175.8	183.4	199.9	197.0	193.7
Bakery products	151.3	151.7	155.3	158.7	157.7	162.0	167.0	166.3
Miscellaneous foods	190.6	201.9	195.5	188.0	201.7	212.8	203.7	208.9
Beverages	201.3	211.0	237.4	217.0	235.6	281.6	253.4	272.3
Carbonated beverages	181.0	186.2	215.2	221.5	236.3	272.0	301.9	287.9
Breweries	185.7	191.1	239.2	227.1	202.3	245.9	256.8	230.2
Distilleries	262.1	284.8	266.4	192.3	313.5	386.1	196.7	356.2
Tobacco and tobacco products	232.1	243.4	279.4	179.1	248.0	278.8	170.6	248.6
Rubber products	232.8	237.4	240.3	175.4	180.6	270.8	200.2	198.6
Leather products	137.3	135.2	131.6	97.4	138.6	139.1	98.4	140.4
Boots and shoes	136.9	134.3	128.8	88.1	139.5	142.4	88.0	143.5
Textiles	203.3	220.6	228.6	173.9	214.7	238.9	175.7	220.3
Cotton goods	141.2	149.7	139.8	100.3	150.0	115.6	72.9	109.9
Woollen goods	91.2	89.6	103.7	71.7	85.6	115.8	71.5	91.7
Synthetic textiles and silk	338.4	391.3	426.1	292.2	374.2	474.0	318.2	427.3
Clothing	163.4	171.2	166.3	168.4	179.2	175.7	175.6	181.0
Paper products	186.3	198.3	199.9	192.9	205.3	222.5	209.3	224.0
Pulp and paper	182.0	192.8	193.7	184.2	197.1	215.2	199.5	216.5

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	June	July	Aug.	June	July	Aug.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	222.4	205.9	212.4	241.7	221.1	229.0
Products of petroleum and coal	330.1	345.9	346.0	359.9	361.5	375.7	390.3	397.7
Petroleum products	357.9	375.5	375.8	391.2	393.0	409.0	425.1	
Chemicals and allied products	312.7	344.7	355.0	315.6	336.8	390.2	342.2	364.9
Acids, alkalies, salts and fertilizers	416.5	469.0	463.6	390.5	426.0	523.2	439.1	484.2
Miscellaneous manufactures	386.5	407.3	403.6	411.1	418.9	444.5	451.0	458.9
DURABLE MANUFACTURES	212.7	237.2	252.8	227.6	215.8	267.5	236.8	227.6
Wood products	174.3	181.7	191.6	178.7	189.7	195.3	189.0	191.5
Saw and planing mills	180.0	182.8	198.2	178.7	193.5	197.3	187.1	189.3
Veneers and plywoods	397.7	403.8	380.0	296.5	427.7	421.0	370.3	454.8
Sawmills	172.8	177.1	202.2	181.6	185.8	199.4	189.1	181.0
Furniture	192.6	216.3	213.4	215.2	219.5	230.7	234.2	239.1
Iron and steel products	215.2	239.1	254.6	233.9	243.1	261.9	241.1	247.2
Machinery	213.1	248.1	246.7	251.8	255.0	272.1	272.2	273.4
Iron castings	199.3	218.9	274.8	208.3	177.8	225.9	162.4	191.5
Primary iron and steel	291.2	320.0	346.3	306.5	330.0	341.9	304.4	304.6
Sheet metal products	248.1	274.2	290.4	294.7	294.3	296.9	299.2	304.1
Transportation equipment	210.5	250.0	284.4	230.4	125.5	305.7	223.1	147.7
Aircraft and parts	336.3	319.3	320.5	322.9	310.6	412.2	416.4	418.4
Motor vehicles	274.2	347.6	433.3	305.9	44.9	458.8	254.7	65.5
Motor vehicle parts	262.2	317.2	320.8	299.8	289.9	337.7	325.7	317.2
Railway rolling stock	58.9	62.6	62.4	63.6	63.2	61.5	60.4	60.8
Shipbuilding and repairs	148.7	161.9	164.9	155.6	154.5	172.4	164.9	162.3
Non-ferrous metal products	174.2	186.9	185.1	179.7	182.1	201.3	184.0	179.7
Brass and copper products ...	155.6	162.7	143.6	141.9	146.8	182.5	179.6	180.7
Smelting and refining	176.5	188.9	191.2	181.6	183.6	201.3	175.2	168.0
Electrical apparatus and supplies	279.1	319.2	317.5	279.0	320.9	356.5	323.6	366.5
Heavy electrical machinery ..	213.0	241.6	243.8	245.2	240.3	271.4	274.2	272.9
Telecommunication equipment	744.5	895.1	832.2	579.9	990.4	922.4	716.4	1,077.2
Refrigerators and appliances	274.9	301.9	331.5	262.2	257.9	356.1	299.7	338.3
Non-metallic mineral products	268.2	286.9	321.4	321.2	329.1	335.4	338.4	338.9
Concrete products	814.1	858.0	1,027.9	1,022.3	1,071.9	1,073.0	1,055.0	1,090.4
Hydraulic cement	277.5	298.8	384.0	375.0	359.2	390.5	423.5	380.1
Domestic clay products	138.3	142.8	151.9	151.5	150.6	162.9	158.5	140.0
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	394.6	368.5	384.8	455.9	412.7	438.8
Electric power	371.5	408.8	376.0	358.3	375.7	439.2	406.1	432.8
Gas	711.0	800.6	560.8	459.2	465.7	604.8	472.0	492.0

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

	Per cent changes in major industry groupings over recent cycles in production					
	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIQ'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIQ'66(1)
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.0
Forestry	19.0	1.3	23.9	17.9	33.7	38.8
Fishing and trapping	1.8	- 18.4	41.5	3.9	- 7.4	- 13.7
Mining	55.5	24.7	38.9	48.6	16.2	46.6
Manufacturing	20.1	6.1	49.5	24.4	12.8	53.6
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.3	30.1	10.9	67.4
Construction	27.8	- 0.9	35.7	34.0	- 3.9	43.8
Electric power and gas						
utilities	44.4	38.1	69.5	33.9	28.9	63.6
Other goods industries, n.e.c.	9.7	- 4.1	16.7	21.2	1.5	16.8
Transportation, storage and						
communication	26.4	7.9	47.9	34.6	9.7	44.5
Transportation	25.7	4.7	50.8	40.1	9.0	48.2
Trade	20.7	6.9	28.0	24.5	9.7	29.9
Wholesale	20.8	11.0	33.0	31.9	16.8	42.9
Retail	20.6	4.7	25.1	20.8	6.1	23.1
Finance, insurance and real						
estate	16.9	15.5	32.4	12.0	9.6	27.8
Public administration and						
defence	10.4	9.1	11.6	7.0	5.1	6.7
Community, recreation, business						
and personal service	12.0	12.2	27.0	10.6	11.1	24.2

(1) At the end of the second quarter of 1966, production was still expanding.

Real Domestic Product less Agriculture,

Second Quarter, 1966

At an index level of 231.7 for the second quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 0.8 per cent higher than in the preceding quarter.

Non-agricultural real output for the first six months of 1966 was 7.4 per cent above the comparable 1965 figure. This increase compares favourably with the 4.7 per cent post-war average rate of growth for non-agricultural real output, as production would actually have to decline by about one per cent in each of the third and fourth quarters (on a seasonally adjusted basis) in order to reduce the 1966 gain to 4.8 per cent. A one per cent increase in each of the last two quarters of 1966 would result in a 6.4 per cent increase for the year 1966 as a whole. The following are the percentage changes in the major industry groupings resulting from a comparison of the first six months of 1966 with the first six months of 1965, on a seasonally unadjusted basis:

Real Domestic Product, less agriculture	7.4
Forestry	4.1
Fishing and trapping	0.4
Mining	8.6
Manufacturing	9.2
Construction	10.8
Electric power and gas utilities	13.2
Transportation, storage and communication	8.7
Trade	4.9
Finance, insurance, real estate	4.9
Public administration and defence	1.8
Community, recreation, business and personal service	4.6

Table (A) shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 39.0 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real out-put increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak in the cycle in aggregate production (see Table on page 7). The current expansion has been of considerably longer duration than the preceding two, having now lasted for twenty-one quarters.

Turning to the second quarter of 1966, the goods-producing industry group (less agriculture) advanced by 1.3 per cent from the first quarter level and accounted for over 80 per cent of the increase in non-agricultural real output, with all major industry groupings contributing to this gain. The service-producing industry group showed only a fractional increase, 0.2 per cent. This was largely the result of the strong dampening influence of the 2.8 per cent decline in trade upon gains in the other service-producing industries.

The 3.4 per cent advance in the transportation, storage and communication group was the largest single contributor to the second quarter gain in non-agricultural real output, accounting for about 40 per cent of this increase. Within transportation, storage and communication, all three components advanced from first quarter levels. The 3.5 per cent increase in transportation accounted for the larger part of the gain and originated mostly with the strong increases in air, pipeline and truck transport, which showed gains ranging from 6 1/2 to 7 per cent. The increase in truck transport was probably at least partly due to a recovery from a strike-affected first quarter level. The bus and coach, railway and water transport industries also showed increases in the second quarter. It should be noted that the labour disputes in several Canadian ports during the second quarter do not appear to have had a significant effect on Canadian registered shipping during that period.

The next largest contribution to the second quarter gain in non-agricultural real output came from the 3.0 per cent advance in mining, which accounted for just over one-fifth of the increase. Within mining, the 9.3 per cent gain in fuel mining, originating mostly with crude petroleum mining, accounted for all of the gain, as metal mining and non-metal mining declined by 0.9 and 5.4 per cent, respectively. The iron ore component of metal mining showed a particularly large decrease, 10.7 per cent.

TABLE A.

	IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	32.4	32.4	35.2	35.2	37.9	37.9	39.0	39.0
Forestry	20.2	.4	22.0	.4	27.9	.5	38.8	.7
Fishing and trapping ..	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1	- 13.7	- .1
Mining	38.4	2.3	39.2	2.3	42.3	2.5	46.6	2.7
Manufacturing	45.3	13.3	49.3	14.5	53.0	15.6	53.6	15.8
Non-durable	34.8	5.8	37.9	6.3	41.6	6.9	43.0	7.1
Durable	58.9	7.5	64.2	8.2	67.8	8.7	67.4	8.6
Construction	33.7	2.3	38.5	2.6	41.0	2.8	43.8	3.0
Electric power and gas								
utilities	47.3	1.6	55.5	1.9	61.1	2.0	63.6	2.1
Other goods, n.e.c. ...	14.9	.2	15.2	.2	16.1	.2	16.8	.2
Transportation, storage								
and communication ...	34.8	3.3	37.9	3.6	39.8	3.8	44.5	4.2
Transportation	37.4	2.6	40.4	2.8	43.2	3.0	48.2	3.3
Trade	28.7	4.3	31.4	4.8	33.6	5.1	29.9	4.5
Wholesale	41.0	2.1	45.2	2.3	43.7	2.3	42.9	2.2
Retail	22.3	2.2	24.3	2.4	28.4	2.8	23.1	2.3
Finance, insurance and								
real estate	23.3	2.5	23.8	2.5	26.3	2.8	27.8	3.0
Public administration								
and defence	4.4	.3	5.1	.3	5.3	.3	6.7	.4
Community, recreation,								
business and personal								
service	20.8	2.1	22.2	2.3	23.6	2.4	24.2	2.5

Note: The columns may not add to the total due to rounding.

Among the other goods-producing industries, increases of about 2 per cent were recorded by construction, electric power and gas utilities and fishing and trapping, while forestry output advanced by 8.6 per cent, largely as a result of substantial increases in pulpwood production.

Manufacturing, which is usually the largest contributor to changes in non-agricultural real output, showed a fractional gain in the second quarter, thus accounting for only about 17 per cent of the total gain. Within manufacturing, a 1.0 per cent increase in non-durable manufacturing was dampened by a 0.2 per cent decline in durables.

The bulk of the decline in durables came from a 6.6 per cent drop in motor vehicles and a 3.3 per cent decline in motor vehicle parts production, which resulted in a 3.6 per cent decrease in the transportation equipment group. Almost all of the 1.6 per cent decline in the iron and steel products group (its first since the beginning of the current expansion in aggregate production) came from the primary iron and steel and the iron castings industries which decreased by 3.7 and 8.9 per cent, respectively. The non-metallic minerals group also declined in the second quarter (- 2.1%), as a result of sharp drops in its cement and concrete cement products components. Increases ranging from one to 6 per cent were recorded by the wood products, non-ferrous metal and electrical apparatus groups. All of the increase in wood products came from a 3.5 per cent gain in saw mills, while the 2.5 per cent increase in smelting and refining accounted for most of the advance in the non-ferrous metals group. Most notable, however, was the 20.0 per cent increase in the telecommunication equipment component of the electrical apparatus and supplies group, which represented a recovery from a decline earlier in the year.

Within non-durable manufacturing, the output of most industry groups advanced from first quarter levels. The largest increase, 6.5 per cent, was recorded by the petroleum products group, followed by clothing, miscellaneous manufacturing industries, chemicals and foods and beverages, the last mentioned group increasing by 1.4 per cent. Total food products advanced by 1.1 per cent, while beverage products showed a gain of 2.3 per cent. Within chemicals, the 4.9 per cent gain in the acids, alkalis, salts and fertilizers industry contributed the major part of the increase. The output of the tobacco, rubber, and textile products groups declined from first quarter levels, the last as a result of strikes in the industry.

CHART-1

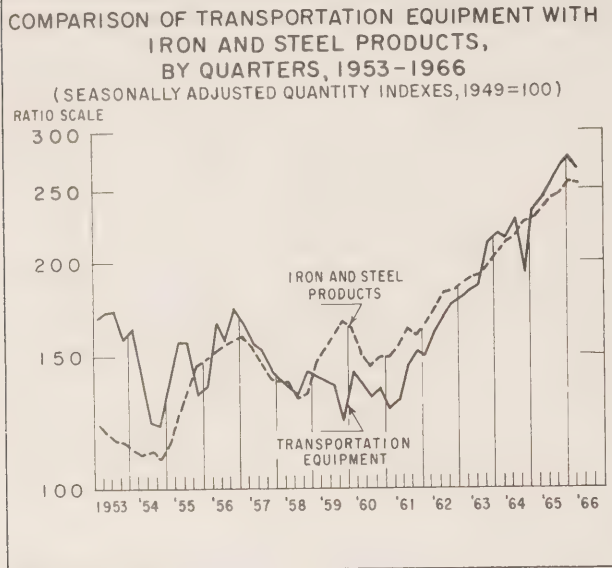
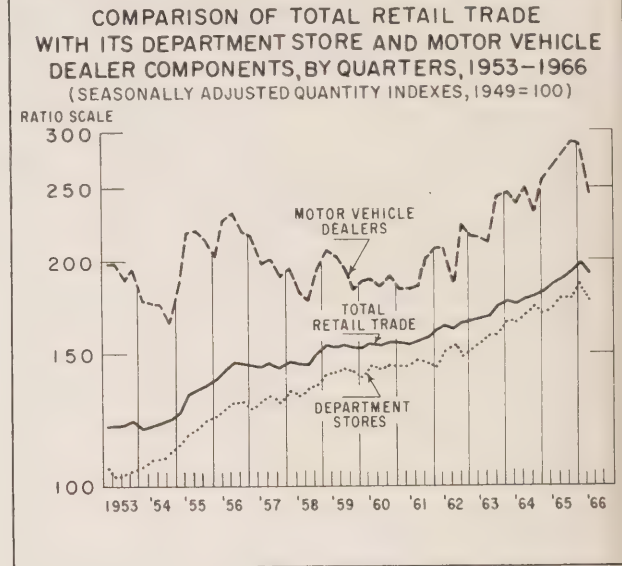


CHART-2



Trade was the only major industry grouping to show a decline in the second quarter, with most of the decrease coming from a 4.1 per cent decline in retail trade. Wholesale trade showed a fractional decline. Within retail trade, most components recorded decreases from very high first quarter levels. However, the 15 per cent and 4.5 per cent declines in motor vehicle dealer and department store sales were the largest contributors to the drop in retail trade, accounting for about two-thirds of the decline. Clothing stores, furniture and appliances and lumber and building material dealers also showed declines, ranging from 3 to 7 per cent. Food and variety stores and fuel dealers were among the trades to record gains in the second quarter. Within wholesale trade, sales of textiles, clothing and furnishings, construction materials and supplies, and industrial and transportation equipment and supplies were among the trades to show strong declines from first quarter levels. Substantial increases occurred in wholesale sales of coal and coke and petroleum products.

The remaining service-industry groups showed increases in the second quarter. Public administration and defence increased by 1.4 per cent, with all three components, federal, provincial and municipal, contributing to the increase. The finance, insurance and real estate and the community, recreation, business and personal service groups advanced by 1.2 and 0.5 per cent, respectively, the latter largely as a result of increases in its community service component.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
	Seasonally adjusted								
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	178.9	122.5	395.0	261.2	398.5	660.6	245.9	240.0
3									
4									
	Without seasonal adjustment								
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0 ^r	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966									
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3 ^r	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2 ^r	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2 ^r	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1 ^r	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.3	161.6	114.9	397.2	272.0	409.4	638.7	251.2	241.8

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	203.9	251.9	251.1	138.7	224.9	181.0	218.3	239.6
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.1	266.9	267.5	138.8	232.1	177.8	219.0	249.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.6	252.9	188.2	253.2	265.7	198.4
3								
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.3	262.1	188.3	260.2	300.9	200.2
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1963 - 1	246.8	223.8	172.0	351.0	188.3	175.7	217.2	171.1	182.0
2	251.4	235.7	174.4	360.8	187.8	174.1	202.8	171.4	180.6
3	256.9	240.4	169.8	373.6	190.5	176.2	230.7	171.5	177.9
4	263.5	235.1	180.6	386.2	201.1	188.8	253.6	177.3	185.0
1964 - 1	265.9	259.5	195.8	390.3	204.6	191.9	233.7	184.7	199.9
2	273.3	263.2	181.7	401.2	208.9	195.8	259.4	181.9	195.5
3	283.9	266.3	183.5	413.4	210.7	197.1	252.7	183.8	195.4
4	292.1	282.3	199.1	422.4	213.8	201.0	215.4	185.6	197.7
1965 - 1	307.3	284.2	203.9	434.5	217.0	203.9	208.8	191.1	211.2
2	318.6	281.5	207.6	436.5	220.6	207.9	224.2	195.5	213.6
3	321.3	288.9	211.9	448.8	226.8	214.4	241.1	199.4	218.2
4	331.1	293.5	219.6	473.6	231.9	219.0	241.1	203.6	224.7
1966 - 1	338.1	307.1	223.5	490.6	235.2	223.4	231.6	207.0	222.5
2	359.3	300.6	227.9	498.4	243.1	231.2	256.6	201.2	221.2
3									
4									
	Without seasonal adjustment								
1963	254.9	235.0	173.6	367.5	192.0	178.8	227.1	173.2	181.6
1964	279.1	268.2	190.4	405.7	209.3	196.4	239.6	183.8	197.2
1965	319.2	286.9	211.2 ^r	448.3	224.8	212.2	230.4	197.6	217.1
1966									
1963 - 1	243.6	177.8	109.5	395.9	170.6	153.6	181.4	156.4	181.0
2	244.9	241.8	176.7	349.3	192.4	180.9	212.6	178.0	190.4
3	253.5	274.6	214.2	324.7	203.2	193.8	240.8	165.9	168.5
4	277.7	245.8	194.1	400.3	201.9	186.8	273.4	192.4	186.4
1964 - 1	262.8	206.5	127.5	439.5	186.4	169.6	196.8	170.0	202.3
2	266.8	266.1	188.1	387.6	213.0	202.1	257.6	188.4	206.2
3	278.9	305.6	230.2	357.0	222.6	214.3	261.9	175.9	182.5
4	308.0	294.6	215.8	438.7	215.3	199.6	242.0	200.9	197.8
1965 - 1	303.8	226.2	142.2 ^r	491.3	198.7	181.4	174.0	177.8	217.1
2	311.0	284.0	208.1 ^r	421.9	226.0	215.8	222.1	203.0	226.7
3	313.7	329.1	255.3 ^r	386.7	240.2	233.2	254.4	189.8	201.1
4	348.2	308.1	239.0 ^r	493.3	234.2	218.4	271.2	220.0	223.5
1966 - 1	333.5	245.4	159.8	553.2	213.6	196.6	187.9	192.2	229.7
2	352.3	301.7	228.5	480.6	248.2	239.0	257.5	207.2	231.1
3									
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.3	194.7	185.1	257.4	208.4	234.5	204.5	273.8
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2 ^r	190.1 ^r	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4 ^r	200.5	221.0 ^r	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8 ^r	184.1 ^r	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3 ^r	189.7 ^r	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1 ^r	195.4 ^r	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4 ^r	191.1 ^r	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8 ^r	185.7	203.3 ^r	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9 ^r	202.3	221.3 ^r	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7 ^r	203.7	225.1 ^r	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4 ^r	210.1	234.4 ^r	199.2	268.9
1966 - 1	172.6	214.7	185.8	179.3	242.0	197.0	220.4	198.0	270.0
2	194.7	222.6	195.1	185.5	259.4	211.6	237.3	204.9	277.6
3									
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

TABLE B.

Direct Effects of Motor Vehicle Industries(1) on Non-agricultural Real Output, 1961-66

	Non-agricultural real output		Motor vehicle industries(1)		Non-agricultural real output less motor vehicle industries	
	Index	% Δ	Index	% Δ	Index	% Δ
1949 Industry weight	89.286		2.347		86.939	
Seasonally adjusted indexes, 1949=100						
1961 - 1st Quarter	166.7	-	154.1	- 6.9	167.0	0.2
2nd Quarter	169.9	1.9	158.2	2.7	170.3	2.0
3rd Quarter	174.1	2.5	172.4	9.0	174.2	2.3
4th Quarter	175.8	1.0	183.7	6.6	175.6	0.8
1962 - 1st Quarter	178.6	1.6	183.9	0.1	178.5	1.7
2nd Quarter	180.8	1.2	196.2	6.7	180.4	1.1
3rd Quarter	182.8	1.1	197.1	0.5	182.4	1.1
4th Quarter	183.6	0.4	221.7	12.5	182.6	0.1
1963 - 1st Quarter	187.0	1.9	223.4	0.8	186.0	1.9
2nd Quarter	189.2	1.2	225.6	1.0	188.2	1.2
3rd Quarter	191.0	1.0	228.4	1.2	190.0	1.0
4th Quarter	197.0	3.1	265.3	16.2	195.2	2.7
1964 - 1st Quarter	202.8	2.9	272.5	2.7	200.9	2.9
2nd Quarter	203.1	0.1	264.4	- 3.0	201.5	0.3
3rd Quarter	205.4	1.1	283.7	7.3	203.3	0.9
4th Quarter	208.5	1.5	232.7	- 18.0	207.8	2.2
1965 - 1st Quarter	213.4	2.4	290.3	24.8	211.3	1.7
2nd Quarter	216.4	1.4	306.2	5.5	214.0	1.3
3rd Quarter	220.7	2.0	325.2	6.2	217.8	1.8
4th Quarter	225.4	2.1	341.0	4.9	222.3	2.1
1966 - 1st Quarter	229.8	2.0	342.3	0.4	226.8	2.0
2nd Quarter	231.7	0.8	313.0	- 8.6	229.5	1.2

(1) Includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

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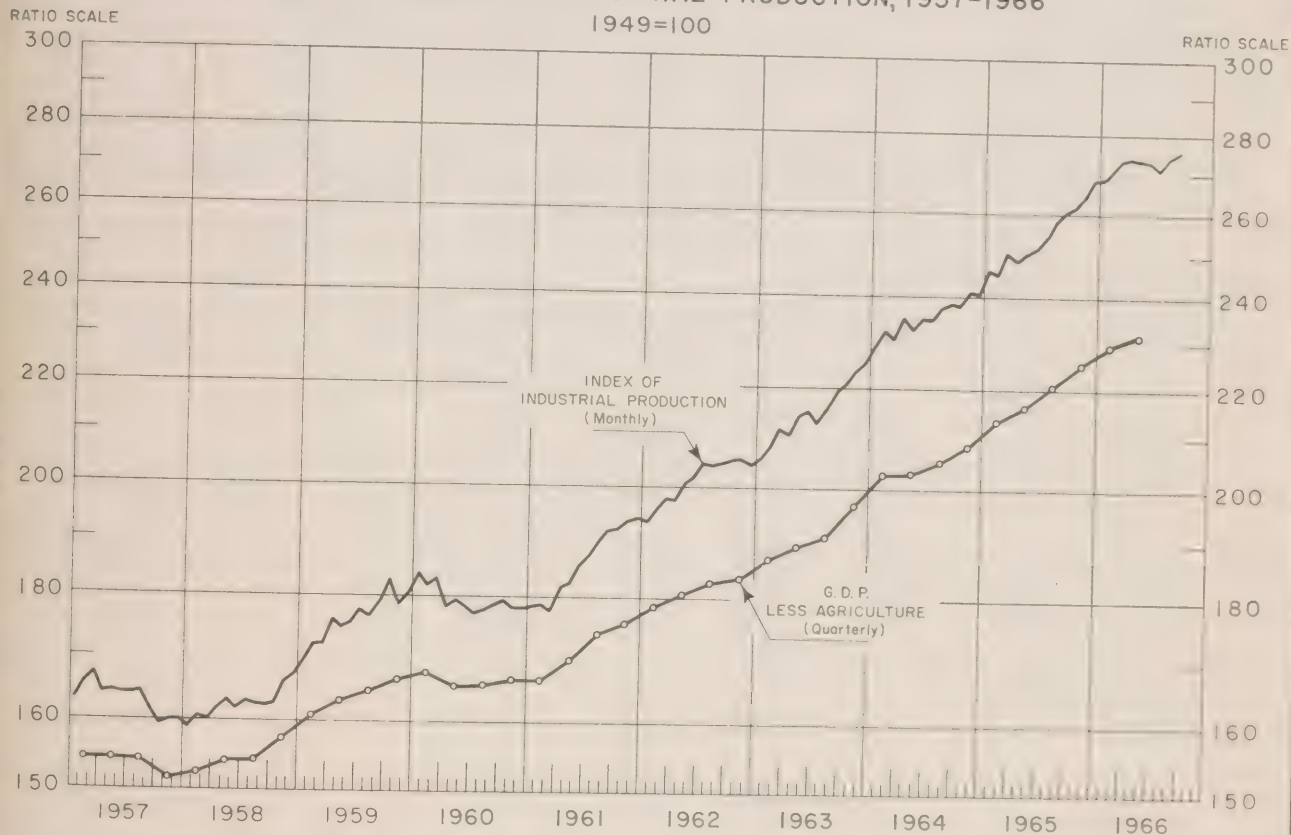
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

SEPTEMBER 1966 ★

DEC 20 1966 ★

The seasonally adjusted index of industrial production advanced by 0.6 per cent in September.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966
1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (2nd quarter 1966).

Industrial Output Section
National Accounts and Balance of Payments Division

December 1966
2205-502

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

SEPTEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production rose to 275.7 in September, advancing by 0.6 per cent from the revised August level of 274.0. Both manufacturing and electric power and gas utilities contributed to the increase, advancing by 1.0 and 1.1 per cent respectively. Mining declined by 1.7 per cent. In manufacturing the whole of the gain came from a 2.6 per cent increase in durables as non-durables fell by 0.4 per cent.

In durable manufactures 4 of the 6 major groups rose. Advancing, in order of contribution to the gain, were iron and steel products (+4%), non-ferrous metal products (+9%), transportation equipment (+3%), and non-metallic mineral products (+1%). Electrical apparatus and supplies and wood products fell by 1 per cent.

Within the detail all except one component of iron and steel products rose, with the bulk of the increase being due to gains of 10 per cent and 12 per cent respectively in primary iron and steel and iron castings. Gains in other components ranged from 1 to 4 per cent. The September increase in primary iron and steel marks its first gain after a 5 month long decline. In non-ferrous metal products nearly all of the 9 per cent gain was due to a 15 per cent rise in smelting and refining as that industry recovered from August industrial disputes. Motor vehicles, which rose by 3 per cent, was the major factor in the transportation equipment gain. In electrical apparatus and supplies the decline centred in telecommunication equipment and refrigerators and appliances. Declines of 2 per cent and 7 per cent respectively in these two industries were only partially offset by increases in the other members of the group that ranged from small to 5 per cent.

Non-durable manufacturing presented a mixed picture in September as it fell by 0.4 per cent. Declines ranging from fractional to 8 per cent in foods and beverages, chemical and allied products, paper products, printing, publishing and allied industries, and rubber products were only partially offset by gains of up to 11 per cent in the remaining 5 major groups. Within the detail, the decline in foods and beverages of 0.3 per cent was entirely due to a near 5 per cent drop in beverages, as foods, led by a 7 per cent rise in canning and processing, moved upwards by 2 per cent. While all beverages components fell, distilleries, with an 8 per cent decline, was the major contributor to the drop. In paper products, which fell by 2 per cent, nearly all of the decrease was due to a 3 per cent decline in pulp and paper. In chemicals and allied products (-0.6%) the major factor in the fall was the 8 per cent drop in acids, alkalies, salts and fertilizers. This was only partially offset by generally sizeable increases in all but one of the remaining components. In textiles (+1.6%) the gain was entirely due to a 35 per cent rise in cotton goods as that industry recovered from several months of labour disputes. The other group components fell by amounts ranging from fractional to nearly 8 per cent.

In mining, which fell by 1.7 per cent, metals rose by 5 per cent but fuels and non-metals fell by 4 and 5 per cent respectively. There were sizeable movements within the metal mining detail. Sizeable strike recovery-induced gains occurred in both nickel and copper; on the other hand, both lead and zinc were considerably lower. In fuels, natural gas rose by nearly 4 per cent while coal and petroleum fell by 11 and 4 per cent respectively. The declines in both coal and petroleum marked returns to more normal levels. In non-metals (-5%) both components fell.

Both components contributed to the 1 per cent rise in electric power and gas utilities, electric power advancing fractionally and gas rising by 6 per cent.

With 1966 now three quarters over, the following changes are shown; in column 1 for the third quarter of 1966 from the second quarter on a seasonally adjusted basis, and in column 2 for the first nine months of 1966 over the first 9 months of 1965:

	II Q.'66 - III Q.'66 Seasonally adjusted	1st 9 months '65 - 1st 9 months '66
	Per cent change	Per cent change
Index of industrial production	- 0.1	+ 8.4
Mining	- 2.9	+ 6.4
Manufacturing	+ 0.1	+ 8.2
Non-durable	-	+ 8.0
Durable	+ 0.3	+ 8.4
Electric power and gas utilities	+ 2.3	+ 13.2

NOTES

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005 May 1966. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		Apr.	May	June	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	32.231	274.1	274.0	273.3	270.8	274.0	275.7
MINING	3.245	393.5	397.8	391.5	376.3	389.6	383.1
Metals	1.925	261.7	259.7	258.5	224.5	241.9	246.1
Gold	0.575	74.4	80.0	69.4	74.2	66.1	69.5
Copper	0.352	186.0	206.6	194.4	165.5	162.2	179.8
Iron ore	0.099	1,327.1	1,260.3	1,257.2	733.3	1,237.6	1,273.1
Nickel	0.333	203.3	182.4	208.3	151.2	141.8	199.3
Non-metals	0.268	409.6	409.9	376.0	388.4	430.9	407.9
Asbestos	0.189	292.9	293.3	281.5	295.3	324.9	299.1
Fuels	0.915	652.2	671.1	658.5	678.1	674.8	649.3
Coal	0.553	52.1	56.9	55.5	49.9	61.7	55.0
Natural gas	0.035	1,597.1	1,691.5	1,632.8	1,560.1	1,557.7	1,613.3
Petroleum	0.327	1,565.9	1,600.7	1,573.9	1,646.0	1,617.2	1,551.2
MANUFACTURING, TOTAL	27.340	247.2	245.5	245.3	244.8	245.8	248.3
NON-DURABLE MANUFACTURES	14.742	240.3	239.7	240.2	240.2	240.4	239.5
Foods and beverages	3.814	202.8	201.9	207.8	208.6	204.8	204.2
Foods	2.896	196.2	194.7	197.9	198.2	192.2	195.0
Meat products	0.523	190.2	195.7	196.4	190.2	184.9	184.5
Dairy products	0.450	196.6	195.5	199.1	203.1	196.9	199.6
Canning and processing	0.453	224.6	207.2	216.9	212.8	209.0	223.0
Grain mill products	0.322	208.3	203.0	201.5	210.6	202.7	205.5
Bakery products	0.558	155.9	157.0	157.9	158.7	159.0	158.7
Miscellaneous foods	0.590	211.1	214.9	219.8	221.2	207.9	207.6
Beverages	0.918	223.6	224.3	239.0	241.3	244.3	233.3
Carbonated beverages	0.231	209.4	217.8	225.5	235.1	227.2	218.0
Breweries	0.463	197.3	186.4	195.2	208.8	212.6	208.3
Distilleries	0.203	300.1	321.2	357.5	324.6	340.5	312.4
Tobacco and tobacco products ..	0.248	261.8	252.6	241.4	233.7	241.6	267.4
Rubber products	0.430	265.4	250.3	237.5	261.7	261.7	240.1
Leather products	0.508	137.9	137.9	140.2	133.1	137.3	139.0
Boots and shoes	0.307	136.9	138.7	143.3	131.7	136.5	141.1
Textiles	1.623	226.4	221.7	225.9	223.9	232.5	236.2
Cotton goods	0.507	128.0	121.5	117.7	108.8	110.1	148.7
Woollen goods	0.300	93.8	94.6	101.4	89.2	98.5	91.1
Synthetic Textiles and Silk	0.429	428.7	417.8	431.7	440.1	465.9	440.0
Clothing	1.801	182.5	180.6	180.0	179.1	173.0	178.5
Paper products	2.649	214.3	221.5	219.3	214.2	219.0	214.4
Pulp and paper	2.108	208.6	216.2	213.3	207.0	213.9	207.2

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted						
		1966						
		Apr.	May	June	July	Aug.	Sept.	
NON-DURABLE MANUFACTURES - Concluded:								
Printing,publishing and allied industries	1.273	234.1	246.8	237.8	241.4	246.6	237.1	
Products of petroleum and coal	0.513	386.2	368.8	377.4	378.2	366.5	368.2	
Petroleum products	0.454	420.7	401.1	411.1	411.5	399.2		
Chemicals and allied products	1.359	387.9	377.7	377.4	379.8	376.1	373.8	
Acids, alkalies, salts and fertilizers	0.346	532.8	540.0	528.0	537.5	532.7	489.2	
Miscellaneous manufactures	0.524	445.7	447.2	447.2	449.8	454.7	457.6	
DURABLE MANUFACTURES	12.598	255.2	252.3	251.3	250.2	252.2	258.7	
Wood products	2.108	190.1	189.4	185.1	188.2	184.6	183.0	
Saw and planing mills	1.444	189.2	188.8	181.9	185.3	179.7	177.1	
Veneers and plywoods	0.122	433.4	449.5	431.4	428.1	457.5		
Sawmills	0.994	184.7	182.8	176.0	181.3	169.2	167.4	
Furniture	0.460	232.7	231.9	233.5	237.3	239.4	239.9	
Iron and steel products	4.026	257.6	252.9	248.7	248.7	248.7	259.6	
Machinery	0.851	272.0	273.0	271.0	271.2	274.3	279.4	
Iron castings	0.387	212.6	216.8	191.4	178.5	203.7	228.1	
Primary iron and steel	0.845	342.3	325.0	321.0	319.5	311.5	341.6	
Sheet metal products	0.359	295.5	292.2	280.9	283.5	288.8	290.7	
Transportation equipment	2.651	271.5	258.9	266.8	257.7	272.3	279.0	
Aircraft and parts	0.203	411.8	409.1	406.5	418.9	424.2	443.0	
Motor vehicles	1.035	371.9	343.4	367.0	336.7	368.8	379.6	
Motor vehicle parts	0.462	337.3	330.6	327.2	339.4	345.2	349.8	
Railway rolling stock	0.621	61.2	63.2	61.5	59.6	56.8	57.0	
Shipbuilding and repairs	0.261	176.4	166.9	164.0	160.5	168.1	172.3	
Non-ferrous metal products	1.601	196.2	198.9	200.2	190.9	185.9	203.0	
Brass and copper products ...	0.241	187.1	185.4	184.3	182.2	183.9	180.7	
Smelting and refining	1.028	192.2	197.5	198.9	185.2	175.9	202.8	
Electrical apparatus and supplies	1.418	356.3	363.7	359.3	368.1	377.0	372.3	
Heavy electrical machinery ..	0.489	266.9	266.3	269.0	272.0	278.9	281.8	
Telecommunication equipment	0.142	971.8	1,038.8	1,017.0	1,082.5	1,102.5	1,076.7	
Refrigerators and appliances	0.227	351.4	346.0	323.4	340.1	381.5	355.6	
Non-metallic mineral products	0.794	300.3	302.7	298.8	306.3	293.7	295.9	
Concrete products	0.098	878.0	905.1	892.7	901.7	860.6	889.5	
Hydraulic cement	0.117	337.4	313.7	303.7	344.3	309.0	316.0	
Domestic clay products	0.083	141.5	141.8	148.1	147.3	129.2		
ELECTRIC POWER AND GAS UTILITIES	1.646	485.5	503.5	504.8	495.6	513.7	519.3	
Electric power	1.480	448.4	464.7	469.2	461.0	477.7	478.4	
Gas	0.166	816.3	849.9	821.8	804.1	834.9	883.7	

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			July	Aug.	Sept.	July	Aug.	Sept.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	241.0	247.5	263.7	254.9	262.9	279.9
MINING	346.4	365.6	358.7	379.3	399.4	367.1	393.8	403.7
Metals	245.7	249.5	252.8	254.4	276.3	219.6	255.1	270.6
Gold	85.9	80.6	73.2	80.5	79.0	70.5	67.2	69.7
Copper	187.8	195.6	206.2	192.1	197.0	167.0	166.9	182.7
Iron ore	1,185.3	1,236.8	1,540.7	1,503.5	1,505.1	953.3	1,591.5	1,756.9
Nickel	181.0	209.9	198.2	207.3	189.8	137.6	139.0	178.0
Non-metals	312.8	377.2	358.7	399.6	387.4	368.4	426.8	421.5
Asbestos	259.9	269.4	246.7	268.4	270.0	272.0	324.9	301.8
Fuels	557.7	592.8	550.2	603.5	630.5	641.9	643.3	644.9
Coal	55.1	56.3	40.3	36.1	56.3	34.9	39.8	55.5
Natural gas	1,382.3	1,476.4	1,247.3	1,292.4	1,276.9	1,313.6	1,322.5	1,387.4
Petroleum	1,319.2	1,405.5	1,337.8	1,489.3	1,532.3	1,596.6	1,591.3	1,562.1
MANUFACTURING, TOTAL	211.9	230.1	219.3	223.6	239.0	232.1	236.7	254.2
NON-DURABLE MANUFACTURES	211.2	224.1	212.3	230.3	239.3	228.1	244.1	251.0
Foods and beverages	185.6	193.1	202.6	219.6	222.4	222.4	230.8	230.7
Foods	180.6	187.4	198.0	214.6	219.7	212.5	217.8	226.1
Meat products	182.6	192.3	185.9	189.8	201.0	176.3	178.1	189.5
Dairy products	189.6	196.0	220.2	225.5	217.1	233.6	220.3	217.6
Canning and processing	190.0	197.2	267.1	341.1	344.9	313.9	356.4	379.4
Grain mill products	184.1	189.3	175.8	183.4	195.3	197.0	193.8	204.1
Bakery products	151.3	151.7	158.7	157.7	156.4	166.6	165.4	163.9
Miscellaneous foods	190.6	201.9	188.0	201.7	215.4	202.5	207.2	218.6
Beverages	201.3	211.0	217.0	235.6	230.7	253.8	271.7	245.1
Carbonated beverages	181.0	186.2	221.5	236.3	215.6	301.9	287.9	240.6
Breweries	185.7	191.1	227.1	202.3	161.6	256.8	230.2	179.1
Distilleries	262.1	284.8	192.3	313.5	389.0	196.7	356.2	384.2
Tobacco and tobacco products	232.1	243.4	179.1	248.0	257.6	170.6	248.6	282.4
Rubber products	232.8	237.4	175.4	180.6	263.0	200.2	198.6	261.9
Leather products	137.3	135.2	97.4	138.6	142.0	98.5	140.9	144.1
Boots and shoes	136.9	134.3	88.1	139.5	142.7	88.0	143.5	146.9
Textiles	203.3	220.6	173.9	214.7	245.5	175.7	219.7	246.6
Cotton goods	141.2	149.7	100.3	150.0	176.0	72.9	109.9	156.1
Woollen goods	91.2	89.6	71.7	85.6	109.1	71.5	91.7	100.7
Synthetic textiles and silk	338.4	391.3	292.2	374.2	435.2	318.2	426.3	460.2
Clothing	163.4	171.2	168.4	179.2	178.0	175.2	180.3	185.6
Paper products	186.3	198.3	192.9	205.3	203.7	209.3	223.4	217.4
Pulp and paper	182.0	192.8	184.2	197.1	194.2	199.5	216.5	207.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	July	Aug.	Sept.	July	Aug.	Sept.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	205.9	212.4	222.8	221.0	230.3	238.4
Products of petroleum and coal	330.1	345.9	359.9	361.5	347.6	385.5	378.6	369.8
Petroleum products	357.9	375.5	391.2	393.0	377.3	419.7	412.8	
Chemicals and allied products	312.7	344.7	315.6	336.8	355.6	342.5	365.0	374.5
Acids, alkalies, salts and fertilizers	416.5	469.0	390.5	426.0	488.3	439.1	484.2	479.4
Miscellaneous manufactures	386.5	407.3	411.1	418.9	432.2	450.7	463.3	479.6
DURABLE MANUFACTURES	212.7	237.2	227.6	215.8	238.7	236.8	228.1	257.9
Wood products	174.3	181.7	178.7	189.7	195.3	189.3	192.0	193.3
Saw and planing mills	180.0	182.8	178.7	193.5	199.0	187.1	189.6	189.0
Veneers and plywoods	397.7	403.8	296.5	427.7	429.2	370.3	454.8	
Sawmills	172.8	177.1	181.6	185.8	194.3	189.1	181.0	181.3
Furniture	192.6	216.3	215.2	219.5	227.1	234.7	241.3	248.5
Iron and steel products	215.2	239.1	233.9	243.1	253.0	240.9	249.0	266.4
Machinery	213.1	248.1	251.8	255.0	259.2	273.6	275.9	281.9
Iron castings	199.3	218.9	208.3	177.8	230.5	162.4	191.5	231.7
Primary iron and steel	291.2	320.0	306.5	330.0	339.6	302.2	307.8	346.0
Sheet metal products	248.1	274.2	294.7	294.3	296.1	299.9	304.7	307.9
Transportation equipment	210.5	250.0	230.4	125.5	197.1	223.3	146.8	234.2
Aircraft and parts	336.3	319.3	322.9	310.6	258.1	414.7	423.8	438.6
Motor vehicles	274.2	347.6	305.9	44.9	226.7	255.9	62.7	275.2
Motor vehicle parts	262.2	317.2	299.8	289.9	312.1	323.8	317.9	332.3
Railway rolling stock	58.9	62.6	63.6	63.2	62.9	60.4	57.1	56.9
Shipbuilding and repairs	148.7	161.9	155.6	154.5	160.9	163.7	162.7	169.4
Non-ferrous metal products	174.2	186.9	179.7	182.1	188.9	184.0	180.1	200.2
Brass and copper products ...	155.6	162.7	141.9	146.8	175.2	179.6	178.9	182.9
Smelting and refining	176.5	188.9	181.6	183.6	185.6	175.2	168.0	196.3
Electrical apparatus and supplies	279.1	319.2	279.0	320.9	341.1	323.9	368.2	393.1
Heavy electrical machinery ..	213.0	241.6	245.2	240.3	244.2	274.2	275.0	280.4
Telecommunication equipment	744.5	895.1	579.9	990.4	971.8	718.8	1,091.5	1,185.4
Refrigerators and appliances	274.9	301.9	262.2	257.9	342.3	300.0	340.3	391.2
Non-metallic mineral products	268.2	286.9	321.2	329.1	337.1	338.2	336.7	340.2
Concrete products	814.1	858.0	1,022.3	1,071.9	1,088.7	1,055.0	1,090.4	1,106.6
Hydraulic cement	277.5	298.8	375.0	359.2	358.4	423.5	380.1	385.5
Domestic clay products	138.3	142.8	151.5	150.6	165.1	158.5	140.0	
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	368.5	384.8	406.8	412.4	438.8	463.9
Electric power	371.5	408.8	358.3	375.7	388.4	405.7	432.8	447.3
Gas	711.0	800.6	459.2	465.7	570.4	472.0	492.6	612.4

Real Domestic Product less Agriculture

Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

Per cent changes in major industry groupings
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIQ'66(1)	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIQ'66(1)
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.0
Forestry	19.0	1.3	23.9	17.9	33.7	38.8
Fishing and trapping	1.8	- 18.4	41.5	3.9	- 7.4	- 13.7
Mining	55.5	24.7	38.9	48.6	16.2	46.6
Manufacturing	20.1	6.1	49.5	24.4	12.8	53.6
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.3	30.1	10.9	67.4
Construction	27.8	- 0.9	35.7	34.0	- 3.9	43.8
Electric power and gas						
utilities	44.4	38.1	69.5	33.9	28.9	63.6
Other goods industries, n.e.c.	9.7	- 4.1	16.7	21.2	1.5	16.8
Transportation, storage and						
communication	26.4	7.9	47.9	34.6	9.7	44.5
Transportation	25.7	4.7	50.8	40.1	9.0	48.2
Trade	20.7	6.9	28.0	24.5	9.7	29.9
Wholesale	20.8	11.0	33.0	31.9	16.8	42.9
Retail	20.6	4.7	25.1	20.8	6.1	23.1
Finance, insurance and real						
estate	16.9	15.5	32.4	12.0	9.6	27.8
Public administration and						
defence	10.4	9.1	11.6	7.0	5.1	6.7
Community, recreation, business						
and personal service	12.0	12.2	27.0	10.6	11.1	24.2

(1) At the end of the second quarter of 1966, production was still expanding.

Real Domestic Product less Agriculture,
Second Quarter, 1966

At an index level of 231.7 for the second quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was 0.8 per cent higher than in the preceding quarter.

Non-agricultural real output for the first six months of 1966 was 7.4 per cent above the comparable 1965 figure. This increase compares favourably with the 4.7 per cent post-war average rate of growth for non-agricultural real output, as production would actually have to decline by about one per cent in each of the third and fourth quarters (on a seasonally adjusted basis) in order to reduce the 1966 gain to 4.8 per cent. A one per cent increase in each of the last two quarters of 1966 would result in a 6.4 per cent increase for the year 1966 as a whole. The following are the percentage changes in the major industry groupings resulting from a comparison of the first six months of 1966 with the first six months of 1965, on a seasonally unadjusted basis:

Real Domestic Product, less agriculture	7.4
Forestry	4.1
Fishing and trapping	0.4
Mining	8.6
Manufacturing	9.2
Construction	10.8
Electric power and gas utilities	13.2
Transportation, storage and communication	8.7
Trade	4.9
Finance, insurance, real estate	4.9
Public administration and defence	1.8
Community, recreation, business and personal service	4.6

Table (A) shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 39.0 per cent advance in non-agricultural real output from the first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real out-put increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak in the cycle in aggregate production (see Table on page 7). The current expansion has been of considerably longer duration than the preceding two, having now lasted for twenty-one quarters.

Turning to the second quarter of 1966, the goods-producing industry group (less agriculture) advanced by 1.3 per cent from the first quarter level and accounted for over 80 per cent of the increase in non-agricultural real output, with all major industry groupings contributing to this gain. The service-producing industry group showed only a fractional increase, 0.2 per cent. This was largely the result of the strong dampening influence of the 2.8 per cent decline in trade upon gains in the other service-producing industries.

The 3.4 per cent advance in the transportation, storage and communication group was the largest single contributor to the second quarter gain in non-agricultural real output, accounting for about 40 per cent of this increase. Within transportation, storage and communication, all three components advanced from first quarter levels. The 3.5 per cent increase in transportation accounted for the larger part of the gain and originated mostly with the strong increases in air, pipeline and truck transport, which showed gains ranging from 6 1/2 to 7 per cent. The increase in truck transport was probably at least partly due to a recovery from a strike-affected first quarter level. The bus and coach, railway and water transport industries also showed increases in the second quarter. It should be noted that the labour disputes in several Canadian ports during the second quarter do not appear to have had a significant effect on Canadian registered shipping during that period.

The next largest contribution to the second quarter gain in non-agricultural real output came from the 3.0 per cent advance in mining, which accounted for just over one-fifth of the increase. Within mining, the 9.3 per cent gain in fuel mining, originating mostly with crude petroleum mining, accounted for all of the gain, as metal mining and non-metal mining declined by 0.9 and 5.4 per cent, respectively. The iron ore component of metal mining showed a particularly large decrease, 10.7 per cent.

TABLE A.

	IQ'61 - IIIQ'65		IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	32.4	32.4	35.2	35.2	37.9	37.9	39.0	39.0
Forestry	20.2	.4	22.0	.4	27.9	.5	38.8	.7
Fishing and trapping ..	- 17.7	- .1	- 12.9	- .1	- 15.6	- .1	- 13.7	- .1
Mining	38.4	2.3	39.2	2.3	42.3	2.5	46.6	2.7
Manufacturing	45.3	13.3	49.3	14.5	53.0	15.6	53.6	15.8
Non-durable	34.8	5.8	37.9	6.3	41.6	6.9	43.0	7.1
Durable	58.9	7.5	64.2	8.2	67.8	8.7	67.4	8.6
Construction	33.7	2.3	38.5	2.6	41.0	2.8	43.8	3.0
Electric power and gas								
utilities	47.3	1.6	55.5	1.9	61.1	2.0	63.6	2.1
Other goods, n.e.c. ...	14.9	.2	15.2	.2	16.1	.2	16.8	.2
Transportation, storage								
and communication ...	34.8	3.3	37.9	3.6	39.8	3.8	44.5	4.2
Transportation	37.4	2.6	40.4	2.8	43.2	3.0	48.2	3.3
Trade	28.7	4.3	31.4	4.8	33.6	5.1	29.9	4.5
Wholesale	41.0	2.1	45.2	2.3	43.7	2.3	42.9	2.2
Retail	22.3	2.2	24.3	2.4	28.4	2.8	23.1	2.3
Finance, insurance and								
real estate	23.3	2.5	23.8	2.5	26.3	2.8	27.8	3.0
Public administration								
and defence	4.4	.3	5.1	.3	5.3	.3	6.7	.4
Community, recreation,								
business and personal								
service	20.8	2.1	22.2	2.3	23.6	2.4	24.2	2.5

Note: The columns may not add to the total due to rounding.

Among the other goods-producing industries, increases of about 2 per cent were recorded by construction, electric power and gas utilities and fishing and trapping, while forestry output advanced by 8.6 per cent, largely as a result of substantial increases in pulpwood production.

Manufacturing, which is usually the largest contributor to changes in non-agricultural real output, showed a fractional gain in the second quarter, thus accounting for only about 17 per cent of the total gain. Within manufacturing, a 1.0 per cent increase in non-durable manufacturing was dampened by a 0.2 per cent decline in durables.

The bulk of the decline in durables came from a 6.6 per cent drop in motor vehicles and a 3.3 per cent decline in motor vehicle parts production, which resulted in a 3.6 per cent decrease in the transportation equipment group. Almost all of the 1.6 per cent decline in the iron and steel products group (its first since the beginning of the current expansion in aggregate production) came from the primary iron and steel and the iron castings industries which decreased by 3.7 and 8.9 per cent, respectively. The non-metallic minerals group also declined in the second quarter (- 2.1%), as a result of sharp drops in its cement and concrete cement products components. Increases ranging from one to 6 per cent were recorded by the wood products, non-ferrous metal and electrical apparatus groups. All of the increase in wood products came from a 3.5 per cent gain in saw mills, while the 2.5 per cent increase in smelting and refining accounted for most of the advance in the non-ferrous metals group. Most notable, however, was the 20.0 per cent increase in the telecommunication equipment component of the electrical apparatus and supplies group, which represented a recovery from a decline earlier in the year.

Within non-durable manufacturing, the output of most industry groups advanced from first quarter levels. The largest increase, 6.5 per cent, was recorded by the petroleum products group, followed by clothing, miscellaneous manufacturing industries, chemicals and foods and beverages, the last mentioned group increasing by 1.4 per cent. Total food products advanced by 1.1 per cent, while beverage products showed a gain of 2.3 per cent. Within chemicals, the 4.9 per cent gain in the acids, alkalies, salts and fertilizers industry contributed the major part of the increase. The output of the tobacco, rubber, and textile products groups declined from first quarter levels, the last as a result of strikes in the industry.

CHART-1

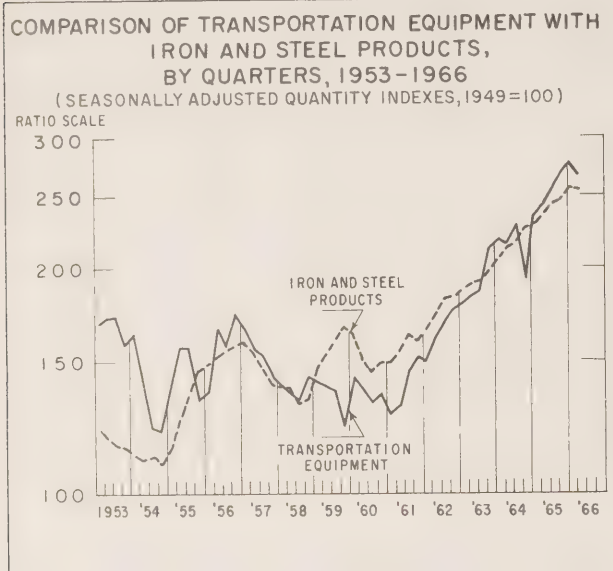
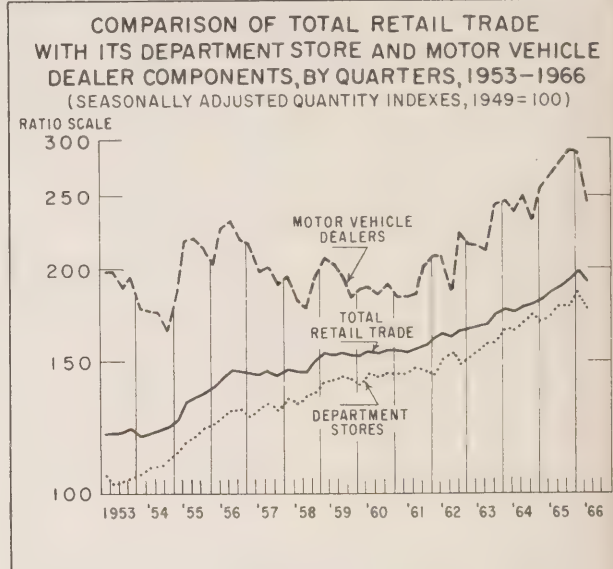


CHART-2



Trade was the only major industry grouping to show a decline in the second quarter, with most of the decrease coming from a 4.1 per cent decline in retail trade. Wholesale trade showed a fractional decline. Within retail trade, most components recorded decreases from very high first quarter levels. However, the 15 per cent and 4.5 per cent declines in motor vehicle dealer and department store sales were the largest contributors to the drop in retail trade, accounting for about two-thirds of the decline. Clothing stores, furniture and appliances and lumber and building material dealers also showed declines, ranging from 3 to 7 per cent. Food and variety stores and fuel dealers were among the trades to record gains in the second quarter. Within wholesale trade, sales of textiles, clothing and furnishings, construction materials and supplies, and industrial and transportation equipment and supplies were among the trades to show strong declines from first quarter levels. Substantial increases occurred in wholesale sales of coal and coke and petroleum products.

The remaining service-industry groups showed increases in the second quarter. Public administration and defence increased by 1.4 per cent, with all three components, federal, provincial and municipal, contributing to the increase. The finance, insurance and real estate and the community, recreation, business and personal service groups advanced by 1.2 and 0.5 per cent, respectively, the latter largely as a result of increases in its community service component.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manufacturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	178.9	122.5	395.0	261.2	398.5	660.6	245.9	240.0
3									
4									
Without seasonal adjustment									
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0 ^r	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966									
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3 ^r	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2 ^r	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2 ^r	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1 ^r	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.3	161.6	114.9	397.2	272.0	409.4	638.7	251.2	241.8

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	203.9	251.9	251.1	138.7	224.9	181.0	218.3	239.6
3								
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.1	266.9	267.5	138.8	232.1	177.8	219.0	249.6
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.6	252.9	188.2	253.2	265.7	198.4
3								
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.3	262.1	188.3	260.2	300.9	200.2
3								
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.3	194.7	185.1	257.4	208.4	234.5	204.5	273.8
3									
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2 ^r	190.1 ^r	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4 ^r	200.5	221.0 ^r	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8 ^r	184.1 ^r	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3 ^r	189.7 ^r	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1 ^r	195.4 ^r	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4 ^r	191.1 ^r	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8 ^r	185.7	203.3 ^r	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9 ^r	202.3	221.3 ^r	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7 ^r	203.7	225.1 ^r	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4 ^r	210.1	234.4 ^r	199.2	268.9
1966 - 1	172.6	214.7	185.8	179.3	242.0	197.0	220.4	198.0	270.0
2	194.7	222.6	195.1	185.5	259.4	211.6	237.3	204.9	277.6
3									
4									

- 2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

TABLE B.

Direct Effects of Motor Vehicle Industries(1) on Non-agricultural Real Output, 1961-66

	Non-agricultural real output		Motor vehicle industries(1)		Non-agricultural real output less motor vehicle industries	
	Index	% Δ	Index	% Δ	Index	% Δ
1949 Industry weight	89.286		2.347		86.939	
Seasonally adjusted indexes, 1949=100						
1961 - 1st Quarter	166.7	-	154.1	- 6.9	167.0	0.2
2nd Quarter	169.9	1.9	158.2	2.7	170.3	2.0
3rd Quarter	174.1	2.5	172.4	9.0	174.2	2.3
4th Quarter	175.8	1.0	183.7	6.6	175.6	0.8
1962 - 1st Quarter	178.6	1.6	183.9	0.1	178.5	1.7
2nd Quarter	180.8	1.2	196.2	6.7	180.4	1.1
3rd Quarter	182.8	1.1	197.1	0.5	182.4	1.1
4th Quarter	183.6	0.4	221.7	12.5	182.6	0.1
1963 - 1st Quarter	187.0	1.9	223.4	0.8	186.0	1.9
2nd Quarter	189.2	1.2	225.6	1.0	188.2	1.2
3rd Quarter	191.0	1.0	228.4	1.2	190.0	1.0
4th Quarter	197.0	3.1	265.3	16.2	195.2	2.7
1964 - 1st Quarter	202.8	2.9	272.5	2.7	200.9	2.9
2nd Quarter	203.1	0.1	264.4	- 3.0	201.5	0.3
3rd Quarter	205.4	1.1	283.7	7.3	203.3	0.9
4th Quarter	208.5	1.5	232.7	- 18.0	207.8	2.2
1965 - 1st Quarter	213.4	2.4	290.3	24.8	211.3	1.7
2nd Quarter	216.4	1.4	306.2	5.5	214.0	1.3
3rd Quarter	220.7	2.0	325.2	6.2	217.8	1.8
4th Quarter	225.4	2.1	341.0	4.9	222.3	2.1
1966 - 1st Quarter	229.8	2.0	342.3	0.4	226.8	2.0
2nd Quarter	231.7	0.8	313.0	- 8.6	229.5	1.2

(1) Includes the motor vehicles and motor vehicle parts producing industries from the durable manufacturing group, and the motor vehicle dealer industry from retail trade.

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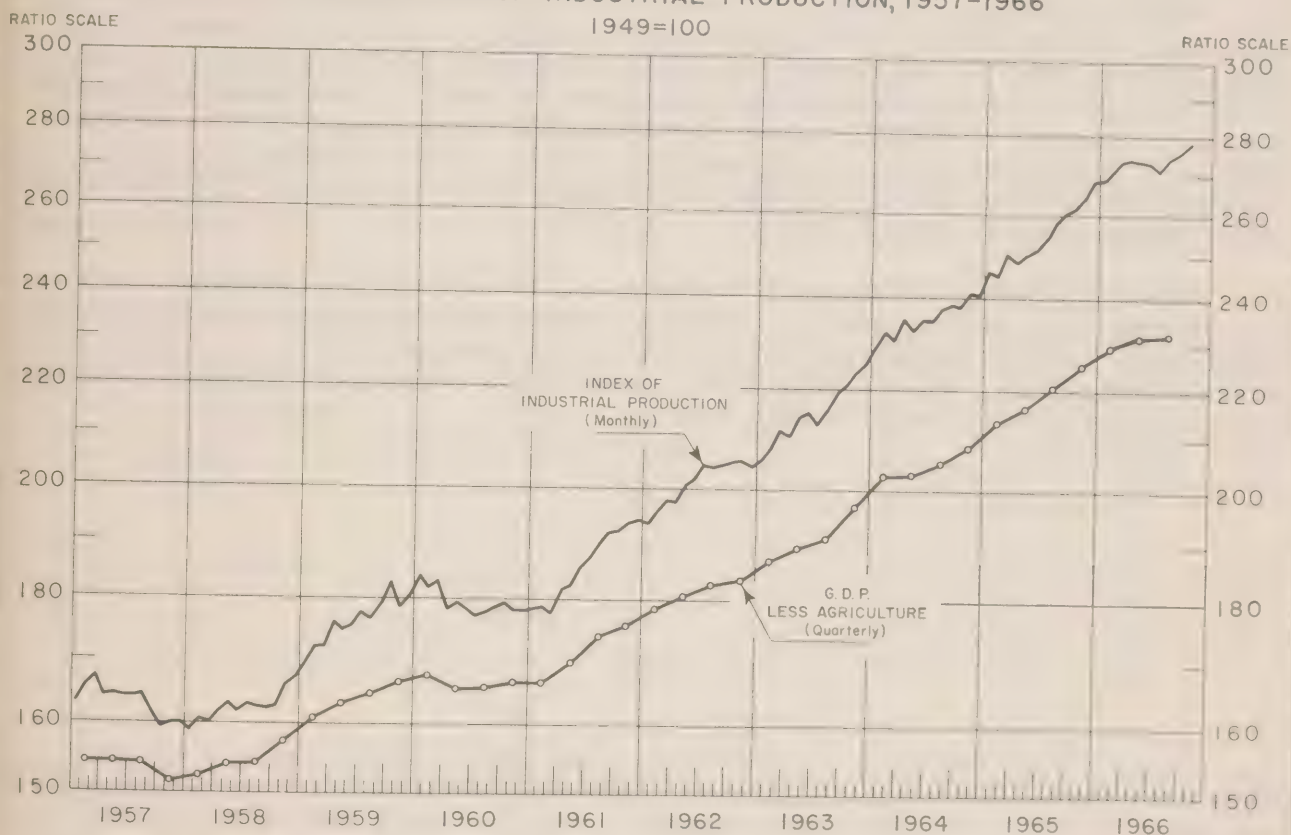
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

OCTOBER 1966

The seasonally adjusted index of industrial production advanced by 1.0 per cent in October.

Non-agricultural real output in the third quarter was virtually unchanged from its second quarter level.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966



New This Issue: This issue includes indexes of non-agricultural real output for the third quarter of 1966.

National Accounts and Balance of Payments Division
Industrial Output Section

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OCTOBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted index of industrial production moved higher in October by 1.0% to 278.3 from 275.6 in September. Both manufacturing and mining recorded gains in the most current month, amounting to 0.7 and 4.4% respectively; electric power and gas utilities declined by 1.4%. The manufacturing gain in the month was almost entirely concentrated in non-durables (up by 1.1%), as durables advanced only marginally.

More than one-half of the gain in non-durables emanated in foods and beverage with several components contributing, in particular meat products. The bulk of the remaining strength was due to textiles and rubber products, up by about 3 and 7% respectively. Elsewhere, major group movements were generally marginal, with the exception of printing and publishing (- 3%), and tobacco products (- 4%).

Within durables, movements in wood, iron and steel products, transportation equipment, and non-ferrous metal products were within 1%, with the former three groups moving lower in the month. Electrical apparatus and supplies and non-metallic mineral products were 4% and 2% higher, respectively. These generally offsetting movements at the major group level obscured some larger changes in the detail, in industries such as iron castings (+ 5%), motor vehicles (- 3%), refrigerators and appliances (+ 13%), and primary iron and steel (- 5%), with the latter being somewhat strike-affected in the month.

About two-thirds of the gain in the total index of industrial production in October came from mining output, where both metals and fuels registered increases of about 5%. All major metals contributed to the advance except gold, which declined marginally. On the other hand, there was a large gain in crude petroleum, accounting for the strength in fuel mining.

NOTE

Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005 May 1966. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		May	June	July	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	32.231	274.0	273.3	270.8	274.2	275.6	278.3
MINING	3.245	397.8	391.5	376.3	389.6	383.5	400.4
Metals	1.925	259.7	258.5	224.5	241.9	246.1	259.1
Gold	0.575	80.0	69.4	74.2	66.1	69.5	68.9
Copper	0.352	206.6	194.4	165.5	162.2	179.8	205.3
Iron ore	0.099	1,260.3	1,257.2	733.3	1,237.6	1,273.1	1,309.0
Nickel	0.333	182.4	208.3	151.2	141.8	199.3	200.8
Non-metals	0.268	409.9	376.0	388.4	430.9	407.9	399.2
Asbestos	0.189	293.3	281.5	295.3	324.9	299.1	283.5
Fuels	0.915	671.1	658.5	678.1	674.8	649.3	682.8
Coal	0.553	56.9	55.5	49.9	61.7	55.0	55.3
Natural gas	0.035	1,691.5	1,632.8	1,560.1	1,557.7	1,613.3	1,586.8
Petroleum	0.327	1,600.7	1,573.9	1,646.0	1,617.2	1,551.2	1,647.3
MANUFACTURING, TOTAL	27.340	245.5	245.3	244.8	246.1	248.1	249.8
NON-DURABLE MANUFACTURES	14.742	239.7	240.2	240.2	240.7	239.3	242.0
Foods and beverages	3.814	201.9	207.8	208.6	205.4	204.5	210.5
Foods	2.896	194.7	197.9	198.2	193.0	195.4	201.5
Meat products	0.523	195.7	196.4	190.2	184.9	187.0	209.3
Dairy products	0.450	195.5	199.1	203.1	196.9	199.5	210.2
Canning and processing	0.453	207.2	216.9	212.8	211.8	225.5	222.5
Grain mill products	0.322	203.0	201.5	210.6	203.0	204.9	213.5
Bakery products	0.558	157.0	157.9	158.7	158.8	157.6	156.7
Miscellaneous foods	0.590	214.9	219.8	221.2	209.6	206.9	207.4
Beverages	0.918	224.3	239.0	241.3	244.7	233.5	239.0
Carbonated beverages	0.231	217.8	225.5	235.1	227.2	218.0	230.1
Breweries	0.463	186.4	195.2	208.8	212.6	208.3	220.7
Distilleries	0.203	321.2	357.5	324.6	340.5	312.4	292.7
Tobacco and tobacco products ..	0.248	252.6	241.4	233.7	241.6	267.4	257.1
Rubber products	0.430	250.3	237.5	261.7	261.7	240.1	257.7
Leather products	0.508	137.9	140.2	133.1	137.4	138.4	136.9
Boots and shoes	0.307	138.7	143.3	131.7	136.5	141.1	139.0
Textiles	1.623	221.7	225.9	223.9	232.2	234.4	240.8
Cotton goods	0.507	121.5	117.7	108.8	110.1	148.7	159.1
Woollen goods	0.300	94.6	101.4	89.2	98.5	91.1	84.5
Synthetic Textiles and Silk	0.429	417.8	431.7	440.1	465.9	440.0	455.1
Clothing	1.801	180.6	180.0	179.1	173.6	177.9	179.2
Paper products	2.649	221.5	219.3	214.2	219.1	214.3	214.4
Pulp and paper	2.108	216.2	213.3	207.0	213.9	207.2	207.3

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded

(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		May	June	July	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES - Concluded:							
Printing, publishing and allied industries	1.273	246.8	237.8	241.4	246.6	236.6	230.4
Products of petroleum and coal	0.513	368.8	377.4	378.2	366.5	369.4	370.2
Petroleum products	0.454	401.1	411.1	411.5	399.2	401.7	402.6
Chemicals and allied products	1.359	377.7	377.4	379.8	376.6	372.9	377.8
Acids, alkalies, salts and fertilizers	0.346	540.0	528.0	537.5	532.7	489.2	
Miscellaneous manufactures	0.524	447.2	447.2	449.8	455.8	461.5	461.4
DURABLE MANUFACTURES	12.598	252.3	251.3	250.2	252.4	258.5	258.9
Wood products	2.108	189.4	185.1	188.2	182.8	180.8	180.0
Saw and planing mills	1.444	188.8	181.9	185.3	176.6	175.0	173.7
Veneers and plywoods	0.122	449.5	431.4	428.1	426.1	424.8	398.2
Sawmills	0.994	182.8	176.0	181.3	169.2	167.4	169.0
Furniture	0.460	231.9	233.5	237.3	241.3	237.0	236.6
Iron and steel products	4.026	252.9	248.7	248.7	248.8	259.4	257.0
Machinery	0.851	273.0	271.0	271.2	274.7	279.8	281.5
Iron castings	0.387	216.8	191.4	178.5	203.7	228.1	239.2
Primary iron and steel	0.845	325.0	321.0	319.5	311.5	341.6	323.9
Sheet metal products	0.359	292.2	280.9	283.5	288.6	287.0	287.2
Transportation equipment	2.651	258.9	266.8	257.7	272.4	278.8	277.7
Aircraft and parts	0.203	409.1	406.5	418.9	423.0	449.6	450.7
Motor vehicles	1.035	343.4	367.0	336.7	368.8	379.6	369.0
Motor vehicle parts	0.462	330.6	327.2	339.4	346.7	345.8	359.5
Railway rolling stock	0.621	63.2	61.5	59.6	56.6	57.1	60.9
Shipbuilding and repairs	0.261	166.9	164.0	160.5	168.1	171.3	169.7
Non-ferrous metal products	1.601	198.9	200.2	190.9	186.0	196.9	197.8
Brass and copper products ...	0.241	185.4	184.3	182.2	184.2	179.7	183.4
Smelting and refining	1.028	197.5	198.9	185.2	175.9	194.0	193.9
Electrical apparatus and supplies	1.418	363.7	359.3	368.1	380.4	382.1	396.9
Heavy electrical machinery ..	0.489	266.3	269.0	272.0	281.8	283.9	283.8
Telecommunication equipment	0.142	1,038.8	1,017.0	1,082.5	1,101.4	1,120.3	1,168.9
Refrigerators and appliances	0.227	346.0	323.4	340.1	382.7	352.0	399.2
Non-metallic mineral products	0.794	302.7	298.8	306.3	293.5	295.6	299.9
Concrete products	0.098	905.1	892.7	901.7	860.6	889.5	887.5
Hydraulic cement	0.117	313.7	303.7	344.3	309.0	316.0	303.3
Domestic clay products	0.083	141.8	148.1	147.3	129.2	136.7	159.5
ELECTRIC POWER AND GAS UTILITIES	1.646	503.5	504.8	495.6	513.7	519.3	512.0
Electric power	1.480	464.7	469.2	461.0	477.7	478.4	467.3
Gas	0.166	849.9	821.8	804.1	834.9	883.7	910.1

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	247.5	263.7	268.7	263.1	279.9	286.3
MINING	346.4	365.6	379.3	399.4	371.5	393.8	404.2	410.7
Metals	245.7	249.5	254.4	276.3	251.3	255.1	270.6	275.6
Gold	85.9	80.6	80.5	79.0	81.3	67.2	69.7	70.3
Copper	187.8	195.6	192.1	197.0	179.3	166.9	182.7	204.5
Iron ore	1,185.3	1,236.8	1,503.1	1,505.1	1,489.8	1,591.5	1,756.9	1,623.1
Nickel	181.0	209.9	207.3	189.8	198.9	139.0	178.0	193.0
Non-metals	312.8	377.2	399.6	387.4	446.5	426.8	421.5	437.7
Asbestos	259.9	269.4	268.4	270.0	305.9	324.9	301.8	309.0
Fuels	557.7	592.8	603.5	630.5	569.1	643.3	644.9	652.2
Coal	55.1	56.3	36.1	56.3	58.9	39.8	55.5	58.1
Natural gas	1,382.3	1,476.4	1,292.4	1,276.9	1,435.6	1,322.5	1,387.4	1,526.5
Petroleum	1,319.2	1,405.5	1,489.3	1,532.3	1,339.2	1,591.3	1,562.1	1,563.3
MANUFACTURING, TOTAL	211.9	230.1	223.6	239.0	245.5	237.0	254.0	259.2
NON-DURABLE MANUFACTURES	211.2	224.1	230.3	239.3	241.1	244.5	250.9	252.8
Foods and beverages	185.6	193.1	219.6	222.4	214.0	231.6	231.4	227.4
Foods	180.6	187.4	214.6	219.7	207.8	218.8	226.9	220.9
Meat products	182.6	192.3	189.8	201.0	210.1	178.1	192.1	223.9
Dairy products	189.6	196.0	225.5	217.1	191.6	220.3	217.5	204.1
Canning and processing	190.0	197.2	341.1	344.9	253.5	360.9	384.0	283.6
Grain mill products	184.1	189.3	183.4	195.3	205.2	194.0	203.5	222.6
Bakery products	151.3	151.7	157.7	156.4	156.1	165.2	162.8	162.2
Miscellaneous foods	190.6	201.9	201.7	215.4	233.3	208.8	217.8	237.7
Beverages	201.3	211.0	235.6	230.7	233.6	272.1	245.6	247.8
Carbonated beverages	181.0	186.2	236.3	215.6	151.9	287.9	240.0	188.9
Breweries	185.7	191.1	202.3	161.6	173.2	230.2	179.1	199.3
Distilleries	262.1	284.8	313.5	389.0	448.4	356.2	384.2	410.1
Tobacco and tobacco products	232.1	243.4	248.0	257.6	259.4	248.6	282.4	267.9
Rubber products	232.8	237.4	180.6	263.0	258.3	198.6	261.9	263.9
Leather products	137.3	135.2	138.6	142.0	139.3	141.0	143.6	138.5
Boots and shoes	136.9	134.3	139.5	142.7	138.9	143.5	146.9	139.0
Textiles	203.3	220.6	214.7	245.5	238.5	219.5	244.7	248.9
Cotton goods	141.2	149.7	150.0	176.0	160.5	109.9	156.1	168.3
Woollen goods	91.2	89.6	85.6	109.1	104.8	91.7	100.7	94.9
Synthetic textiles and silk	338.4	391.3	374.2	435.2	425.8	426.3	460.2	461.9
Clothing	163.4	171.2	179.2	178.0	181.4	180.9	185.0	185.3
Paper products	186.3	198.3	205.3	203.7	211.2	223.5	217.4	223.1
Pulp and paper	182.0	192.8	197.1	194.2	203.9	216.5	207.2	215.0

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Aug.	Sept.	Oct.	Aug.	Sept.	Oct.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	212.4	222.8	243.3	230.3	237.8	245.1
Products of petroleum and coal	330.1	345.9	361.5	347.6	347.2	378.6	370.9	367.0
Petroleum products	357.9	375.5	393.0	377.3	377.2	412.8	403.3	399.0
Chemicals and allied products	312.7	344.7	336.8	355.6	369.6	365.5	373.5	386.3
Acids, alkalies, salts and fertilizers	416.5	469.0	426.0	488.3	498.3	484.2	479.4	
Miscellaneous manufactures	386.5	407.3	418.9	432.2	436.9	464.5	483.6	487.2
DURABLE MANUFACTURES	212.7	237.2	215.8	238.7	250.7	228.3	257.7	266.6
Wood products	174.3	181.7	189.7	195.3	188.7	190.2	191.0	182.0
Saw and planing mills	180.0	182.8	193.5	199.0	187.7	186.5	186.8	172.9
Veneers and plywoods	397.7	403.8	427.7	429.2	427.2	423.5	433.7	403.0
Sawmills	172.8	177.1	185.8	194.3	179.8	181.0	181.3	166.3
Furniture	192.6	216.3	219.5	227.1	231.3	243.2	245.5	247.0
Iron and steel products	215.2	239.1	243.1	253.0	250.7	249.0	266.1	261.3
Machinery	213.1	248.1	255.0	259.2	262.6	276.3	282.3	286.0
Iron castings	199.3	218.9	177.8	230.5	207.0	191.5	231.7	214.3
Primary iron and steel	291.2	320.0	330.0	339.6	334.3	307.8	346.0	330.4
Sheet metal products	248.1	274.2	294.3	296.1	289.0	304.5	303.9	297.0
Transportation equipment	210.5	250.0	125.5	197.1	259.3	146.9	234.0	275.6
Aircraft and parts	336.3	319.3	310.6	258.1	321.0	422.6	445.1	454.8
Motor vehicles	274.2	347.6	44.9	226.7	363.3	62.7	275.2	369.0
Motor vehicle parts	262.2	317.2	289.9	312.1	332.2	319.3	328.5	345.1
Railway rolling stock	58.9	62.6	63.2	62.9	63.2	56.9	57.0	61.5
Shipbuilding and repairs	148.7	161.9	154.5	160.9	163.5	162.7	168.4	168.2
Non-ferrous metal products	174.2	186.9	182.1	188.9	192.6	180.2	194.2	199.5
Brass and copper products ...	155.6	162.7	146.8	175.2	180.9	179.2	181.9	182.7
Smelting and refining	176.5	188.9	183.6	185.6	189.0	168.0	187.8	195.1
Electrical apparatus and supplies	279.1	319.2	320.9	341.1	347.9	371.6	403.3	427.5
Heavy electrical machinery ..	213.0	241.6	240.3	244.2	252.4	277.9	282.5	286.9
Telecommunication equipment	744.5	895.1	990.4	971.8	1,041.2	1,090.4	1,233.4	1,437.7
Refrigerators and appliances	274.9	301.9	257.9	342.3	323.4	341.4	387.2	399.2
Non-metallic mineral products	268.2	286.9	329.1	337.1	329.5	336.5	340.0	344.2
Concrete products	814.1	858.0	1,071.9	1,088.7	1,047.7	1,090.4	1,106.6	1,100.5
Hydraulic cement	277.5	298.8	359.2	358.4	367.7	380.1	385.5	376.1
Domestic clay products	138.3	142.8	150.6	165.1	156.0	140.0	154.7	173.4
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	384.8	406.8	451.6	438.8	463.9	492.5
Electric power	371.5	408.8	375.7	388.4	424.7	432.8	447.3	464.0
Gas	711.0	800.6	465.7	570.4	691.8	492.6	612.4	746.3

Real Domestic Product less Agriculture

Note to Users

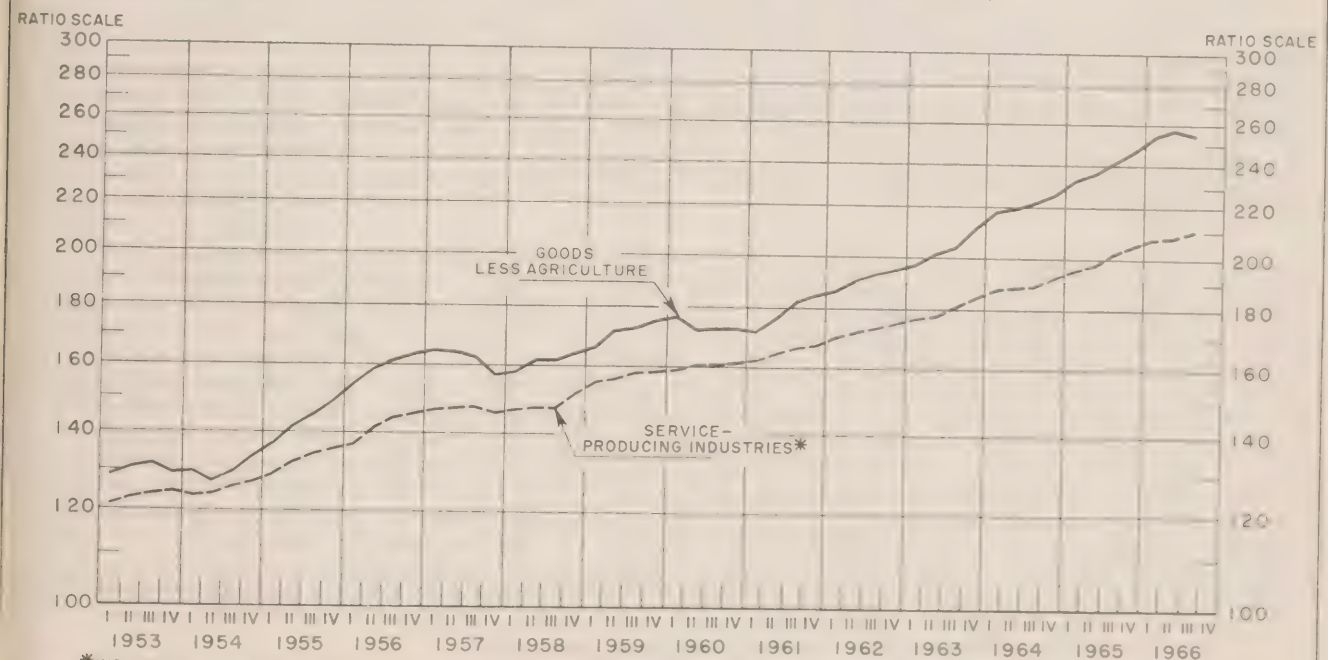
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

Real Domestic Product less Agriculture,

Third Quarter, 1966

At an index level of 231.8 for the third quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was virtually unchanged from its second quarter level. This was the result of a 1.1 per cent increase in the service-producing industry group being offset by a 0.9 per cent decline in the output of the goods-producing industry group, exclusive of agriculture. The following table shows the per cent changes in the major industry groupings from the second to the third quarter of 1966.

	Per cent change
Real Domestic Product, less agriculture	-
Forestry	- 7.6
Fishing and trapping	8.9
Mining	- 2.8
Manufacturing	0.1
Non-durable	-
Durable	0.3
Construction	- 4.7
Electric power and gas utilities	2.3
Transportation, storage and communication	- 2.2
Transportation	- 3.3
Trade	2.5
Wholesale	1.2
Retail	3.2
Finance, insurance and real estate	1.7
Public administration and defence	2.0
Community, recreation, business and personal service	1.2

Within the goods-producing industry group, declines ranging from about 3 to 7 1/2 per cent were recorded in mining, construction and forestry. Within mining, it was the 8.6 per cent decline in the strike-affected metal mining component which accounted for almost the entire 2.8 per cent decrease in total mining output. Fuel mining and non-metal mining advanced by 1 and 2.7 per cent, respectively. Within construction, it was the private residential construction component which showed the largest decline, accounting for about half of the total 4.7 per cent drop in construction. Among the remaining goods-producing industry groups, electric power and gas utilities advanced by 2.3 per cent, with most of the increase coming from a 2.5 per cent gain in the electric power component. Gas utilities increased by 1.4 per cent.

Manufacturing increased only fractionally from its second quarter level, as a result of the recovery of its durable manufacturing component from a marginal decline in the second quarter. Non-durable manufacturing showed no change from its second quarter level. Within durables, the increase came from the 4.8 and 1.5 per cent advances in the output of the electrical apparatus and supplies and the transportation equipment groups, the former largely as a result of the 9.1 per cent increase in its telecommunication equipment component. Increases in motor vehicle parts and aircraft and parts production accounted for the bulk of the gain in the transportation equipment group. Motor vehicle production was virtually unchanged in the third quarter, following a sharp decline in the second quarter of this year. It is now at a level slightly below that attained during the third quarter of 1965. On a monthly basis, however, there were considerable increases in production in both August and September, following a very low level for the month of July. The remaining major industry groups within durables showed declines in the third quarter, ranging from 0.3 per cent for the iron and steel products group to 3.6 per cent for non-ferrous metal products, the former largely as a result of a 1.6 per cent decline in the primary iron and steel component, the second consecutive decrease to be exhibited by this industry. The 5.7 per cent decline in the strike-affected smelting and refining industry accounted for almost all of the drop in the non-ferrous metals group.

Within non-durables, movements were mixed, with increases in such industry groups as foods and beverages, printing and publishing, rubber, miscellaneous manufacturing and textile products, offset by declines of one to 2 per cent in the remaining industry groups, with clothing, paper products and chemicals accounting for most of the decrease. The bulk of the increase in the third quarter came from strong gains in the brewery component of beverage products and the synthetic textiles and silk industry, which continued on its path of rapid and almost uninterrupted expansion begun in 1961.

Among the service-producing industries all but one of the major industry groupings showed increases from the second quarter, ranging from about one per cent in community, recreation, business and personal service, to 2 per cent in public administration and defence and 2.5 per cent in trade. The only decline (3.3 per cent) within the service-producing industry group was recorded by transportation, and was almost entirely the result of a drop in the output of the strike-affected railway industry, which more than offset the strong gains in such other components as air, bus and truck transport.

Trade was the largest single contributor to the third quarter gain in service-industry output, accounting for about three-quarters of this increase. Within trade, both components showed gains in the third quarter. Wholesale trade advanced by 1.2 per cent, with most components showing moderate increases in the quarter. Declines were recorded by petroleum bulk tank stations, wholesalers of construction materials and supplies and such other components as meat and dairy products, and fresh fruit and vegetable products. The bulk of the third quarter increase in trade came from the 3.2 per cent gain in retail trade, which in turn originated largely with the very sharp recovery in motor vehicle dealer sales from the drop the output of this industry took during the second quarter. It is now at a level slightly above the previous peak reached during the fourth quarter of 1965. The next largest contribution to the increase in total retail trade came from department stores, followed by furniture and appliance and by variety stores. Among the retail trades which showed declines in the third quarter were fuel dealers and lumber and building material dealers. Most of the remaining retail trades recorded moderate increases in the third quarter.

TABLE A.

	IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66		IQ'61 - IIIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	35.2	35.2	37.9	37.9	39.0	39.0	39.1	39.1
Forestry	22.0	.4	27.9	.5	37.5	.7	27.1	.5
Fishing and trapping ..	- 12.9	- .1	- 15.6	- .1	- 8.2	-	-	-
Mining	39.2	2.3	42.3	2.5	46.4	2.7	42.2	2.5
Manufacturing	49.3	14.5	53.0	15.6	53.7	15.8	53.8	15.9
Non-durable	37.9	6.3	41.6	6.9	43.1	7.1	43.0	7.2
Durable	64.2	8.2	67.8	8.7	67.4	8.6	67.9	8.7
Construction	38.5	2.6	40.9	2.8	44.5	3.0	37.7	2.6
Electric power and gas utilities	55.5	1.9	61.1	2.0	63.5	2.1	67.3	2.3
Other goods, n.e.c. ...	15.2	.2	16.1	.2	16.8	.2	17.1	.2
Transportation, storage and communication ...	37.9	3.6	39.8	3.8	44.6	4.2	41.4	3.9
Transportation	40.4	2.8	43.2	3.0	48.3	3.3	43.4	3.0
Trade	31.4	4.8	33.6	5.1	30.0	4.5	33.2	5.0
Wholesale	45.2	2.3	43.7	2.3	43.0	2.2	44.7	2.3
Retail	24.3	2.4	28.4	2.8	23.1	2.3	27.1	2.7
Finance, insurance and real estate	23.8	2.5	26.3	2.8	27.7	2.9	29.9	3.2
Public administration and defence	5.1	.3	5.3	.3	6.3	.4	8.4	.5
Community, recreation, business and personal service	22.2	2.3	23.6	2.4	24.4	2.5	25.9	2.7

Note: The columns may not add to the total due to rounding.

The above table shows the percentage increases of the major industry groupings and their contributions to the 39.1 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output increased by 19.1 and 3.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table on page 16). The current expansion has been of considerably longer duration than the preceding two, the third quarter of 1966 being the twenty-second quarter following the 1961 cyclical low. The

current quarter was the first time during the current expansion that non-agricultural real output showed virtually no increase from the level attained in the previous quarter. However, the Index of Industrial Production, which constitutes about 36 per cent of non-agricultural real output, continued to advance in the fourth quarter as indicated by an increase of one per cent for the month of October, with both manufacturing and mining contributing to the gain.

Turning to developments during the first nine months of 1966 as compared with the comparable period in the preceding year, it can be seen from the following table that non-agricultural real output advanced by 6.6 per cent. Although slightly lower than the 7.4 per cent increase indicated by the comparison of the first six months, it is still well above the post-war average annual rate of growth of 4.7 per cent. For instance, if a change of plus or minus one per cent, on a seasonally adjusted basis, is assumed for the fourth quarter of 1966 as compared with the third quarter of 1966, the former change would yield a year over year increase of 5.9 per cent for the year 1966 as a whole, while the latter would yield an annual increase of 5.4 per cent. The following table shows per cent changes in major industry groupings for the first nine months of 1966 as compared with the first nine months of 1965.

	Per cent change
Real Domestic Product, less agriculture	6.6
Forestry	5.1
Fishing and trapping	12.8
Mining	6.4
Manufacturing	8.2
Non-durable	8.0
Durable	8.4
Construction	7.6
Electric power and gas utilities	13.2
Transportation, storage and communication	7.5
Transportation	7.9
Trade	4.5
Wholesale	3.6
Retail	5.1
Finance, insurance and real estate	5.0
Public administration and defence	2.0
Community, recreation, business and personal service	4.6

Almost 60 per cent of the increase in non-agricultural real output for the first nine months of 1966 came from expansion in the output of the cyclically volatile manufacturing, transportation and trade industries, with increases also recorded by all other major industry groupings. Most industries advanced at rates exceeding their 1946-65 average annual rates of growth. The only exceptions were mining, wholesale trade and public administration and defence.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	177.3	130.3	394.3	259.9	398.5	660.6	246.0	240.1
3	231.8	163.8	141.9	383.1	237.5	409.1	667.4	246.3	240.0
Without seasonal adjustment									
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.5	161.6	124.8	396.5	270.7	409.4	638.7	251.2	241.9
3	234.4	197.7	198.6	388.4	248.4	405.6	643.4	241.0	241.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	204.2	251.9	251.1	138.6	224.7	181.0	218.4	239.6
3	206.2	247.6	254.5	136.3	230.2	176.9	215.9	241.5
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.4	266.9	267.5	138.8	231.8	177.9	219.0	249.6
3	228.5	233.9	220.2	127.7	213.3	180.4	216.7	229.7
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.7	252.9	188.2	253.1	265.7	198.4
3	371.0	376.4	455.7	253.7	183.9	252.3	269.6	191.3
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.4	262.1	188.3	260.1	300.9	200.2
3	378.3	360.5	466.3	240.9	190.2	252.0	201.4	186.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1963 - 1	246.8	223.8	172.0	351.0	188.3	175.7	217.2	171.1	182.0
2	251.4	235.7	174.4	360.8	187.8	174.1	202.8	171.4	180.6
3	256.9	240.4	169.8	373.6	190.5	176.2	230.7	171.5	177.9
4	263.5	235.1	180.6	386.2	201.1	188.8	253.6	177.3	185.0
1964 - 1	265.9	259.5	195.8	390.3	204.6	191.9	233.7	184.7	199.9
2	273.3	263.2	181.7	401.2	208.9	195.8	259.4	181.9	195.5
3	283.9	266.3	183.5	413.4	210.7	197.1	252.7	183.8	195.4
4	292.1	282.3	199.1	422.4	213.8	201.0	215.4	185.6	197.7
1965 - 1	307.3	284.2	203.9	434.5	217.0	203.9	208.8	191.1	211.2
2	318.6	281.5	207.6	436.5	220.6	207.9	224.2	195.5	213.6
3	321.3	288.9	211.9	448.8	226.8	214.4	241.1	199.4	218.2
4	331.1	293.5	219.6	473.6	231.9	219.0	241.1	203.6	224.7
1966 - 1	338.1	307.1	223.3	490.6	235.2	223.4	231.6	207.0	222.5
2	359.7	300.6	229.0	497.9	243.2	231.4	256.3	201.3	221.3
3	376.9	298.5	218.2	509.5	237.8	223.7	256.6	206.3	224.0
4									
	Without seasonal adjustment								
1963	254.9	235.0	173.6	367.5	192.0	178.8	227.1	173.2	181.6
1964	279.1	268.2	190.4	405.7	209.3	196.4	239.6	183.8	197.2
1965	319.2	286.9	211.2	448.3	224.8	212.2	230.4	197.6	217.1
1966									
1963 - 1	243.6	177.8	109.5	395.9	170.6	153.6	181.4	156.4	181.0
2	244.9	241.8	176.7	349.3	192.4	180.9	212.6	178.0	190.4
3	253.5	274.6	214.2	324.7	203.2	193.8	240.8	165.9	168.5
4	277.7	245.8	194.1	400.3	201.9	186.8	273.4	192.4	186.4
1964 - 1	262.8	206.5	127.5	439.5	186.4	169.6	196.8	170.0	202.3
2	266.8	266.1	188.1	387.6	213.0	202.1	257.6	188.4	206.2
3	278.9	305.6	230.2	357.0	222.6	214.3	261.9	175.9	182.5
4	308.0	294.6	215.8	438.7	215.3	199.6	242.0	200.9	197.8
1965 - 1	303.8	226.2	142.2	491.3	198.7	181.4	174.0	177.8	217.1
2	311.0	284.0	208.1	421.9	226.0	215.8	222.1	203.0	226.7
3	313.7	329.1	255.3	386.7	240.2	233.2	254.4	189.8	201.1
4	348.2	308.1	239.0	493.3	234.2	218.4	271.2	220.0	223.5
1966 - 1	333.5	245.4	159.8	553.2	213.6	196.6	187.9	192.2	229.7
2	352.9	301.8	231.0	480.2	248.4	239.2	257.2	207.2	231.2
3	366.3	338.2	261.1	438.4	253.0	244.7	276.7	196.9	207.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.1	194.0	185.3	257.6	208.4	234.6	204.1	273.8
3	197.0	224.8	197.8	187.6	255.2	210.6	234.3	207.2	273.5
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2	190.1	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4	200.5	221.0	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8	184.1	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3	189.7	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1	195.4	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4	191.1	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8	185.7	203.3	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9	202.3	221.3	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7	203.7	225.1	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4	210.1	234.4	199.2	268.9
1966 - 1	172.6	214.7	185.7	179.3	242.0	196.9	220.4	197.9	270.0
2	194.7	222.5	194.4	185.6	259.8	211.5	237.5	204.4	277.5
3	191.6	228.3	204.6	192.3	258.3	212.8	236.7	211.6	266.0
4									

- (2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
- (3) Includes public administration and defence; hospitals; education; welfare; religion and other community service, n.e.c. and domestic service.

Per cent changes in major industry groupings
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIIQ'66	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIIQ'66
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.1
Forestry	19.0	1.3	13.4	17.9	33.7	27.1
Fishing and trapping	1.8	- 18.4	63.9	3.9	- 7.4	-
Mining	55.5	24.7	34.8	48.6	16.2	42.2
Manufacturing	20.1	6.1	49.7	24.4	12.8	53.8
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	29.9	34.0	- 3.9	37.7
Electric power and gas						
utilities	44.4	38.1	73.3	33.9	28.9	67.3
Other goods industries, n.e.c.	9.7	- 4.1	17.0	21.2	1.5	17.1
Transportation, storage and						
communication	26.4	7.9	44.6	34.6	9.7	41.4
Transportation	25.7	4.7	45.9	40.1	9.0	43.4
Trade	20.7	6.9	31.2	24.5	9.7	33.2
Wholesale	20.8	11.0	34.7	31.9	16.8	44.7
Retail	20.6	4.7	29.2	20.8	6.1	27.1
Finance, insurance and real						
estate	16.9	15.5	34.4	12.0	9.6	29.9
Public administration and						
defence	10.4	9.1	13.4	7.0	5.1	8.4
Community, recreation, business						
and personal service	12.0	12.2	28.8	10.6	11.1	25.9

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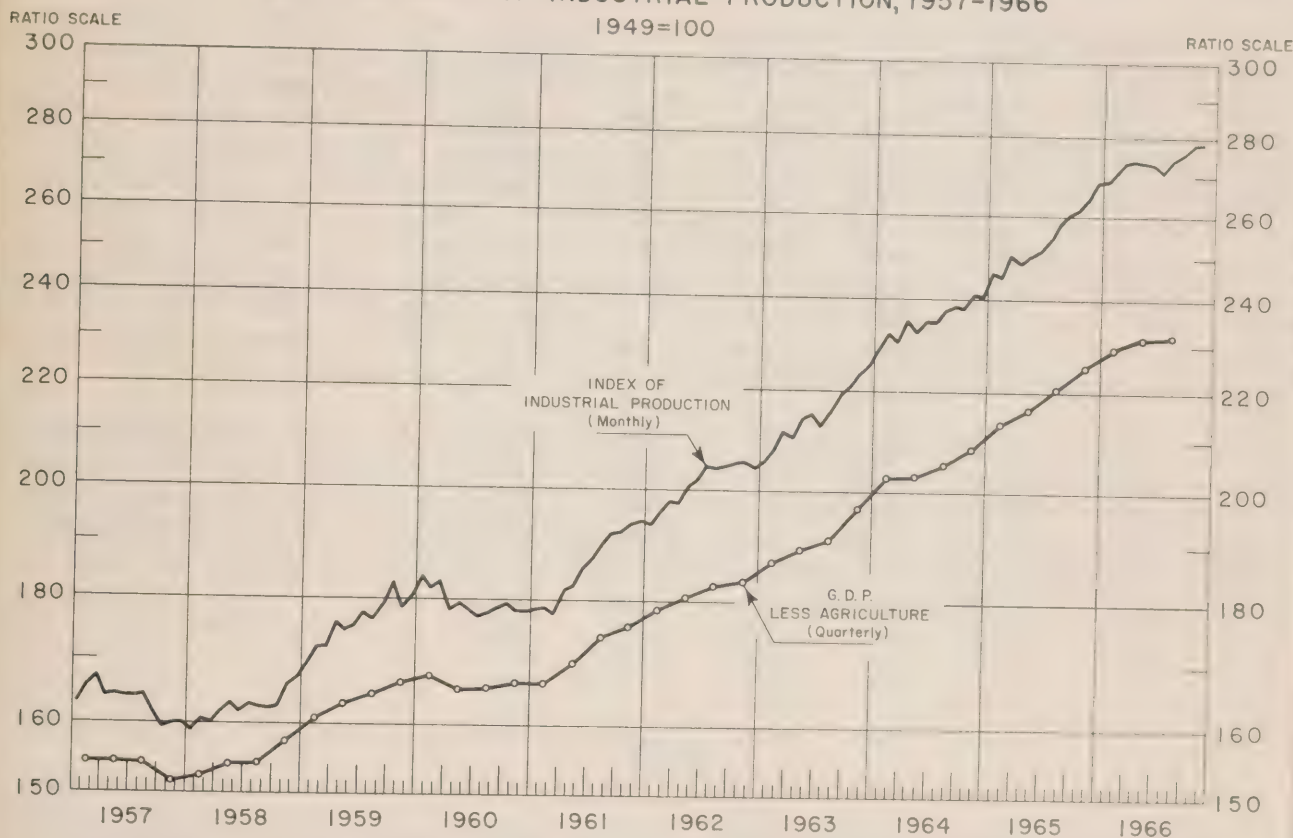
INDEX OF INDUSTRIAL PRODUCTION (1949=100)

NOVEMBER 1966

The seasonally adjusted index of industrial production advanced by 0.3 per cent in November.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966

1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (3rd quarter 1966).

National Accounts and Balance of Payments Division
Industrial Output Section

January 1967
2205-502

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NOVEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production advanced by 0.3 per cent in November, rising to 279.1 from the October level of 278.3. The bulk of this gain originated in electric power and gas utilities, as they rose by 2.5 per cent, while manufacturing and mining rose only fractionally (+ 0.1 and 0.2 per cent respectively). Both components shared in the utilities advance, electric power rising by more than 2 per cent and gas by more than 3. The gain in manufacturing was entirely due to a 0.2 per cent rise in non-durables as durables fell slightly from October.

In non-durable manufacturing 8 of the 11 major groups rose by amounts ranging from fractional to 5 per cent while leather products, foods and beverages, and products of petroleum and coal fell by amounts ranging from fractional to 5 per cent. Within the detail, the bulk of the drop in foods and beverages was in the beverages component (- 6%), with breweries (- 12%) being the major contributor. In the foods component (- 1%) most of the drop occurred in meat products, which fell by 5 per cent.

In durable manufactures, which fell marginally, 3 of the 6 major groups rose. Both advances and declines, at the group level, were in the range of 1 to 3 per cent. Within the detail the gain of 2 per cent in electrical apparatus and supplies was primarily due to a better than 7 per cent gain in telecommunication equipment. This was partially offset by a 4 per cent drop in refrigerators and appliances. In transportation equipment (+ 1%) nearly all of the increase was due to gains of 1 per cent in both motor vehicles and motor vehicle parts. The 2 per cent drop in iron and steel products was in large part the result of declines of 5 per cent and 6 per cent in primary iron and steel and iron castings which were only partially offset by gains in the other components. The decline in primary iron and steel was in part attributable to a labour dispute. The decline of 3 per cent in non-metallic mineral products was almost entirely due to the 6 per cent fall in concrete products.

In mining (+ 0.2%), both metals and non-metals fell by 2 per cent, while fuels advanced by nearly 4 per cent. In metals drops of 6 to 10 per cent in lead, copper and nickel were only partially offset by gains of 2 per cent and 9 per cent in iron ore and zinc. In non-metals (- 2%) both components contributed to the decrease. Although all 3 fuel components advanced the bulk of the gain was due to the near 4 per cent increase in natural gas.

NOTES

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005 May 1966. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.
2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		June	July	Aug.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	32.231	273.3	270.8	274.2	275.7	278.3	279.1
MINING	3.245	391.5	376.3	389.6	384.4	401.1	401.9
Metals	1.925	258.5	224.5	241.9	246.5	258.7	253.1
Gold	0.575	69.4	74.2	66.1	69.7	66.0	65.7
Copper	0.352	194.4	165.5	162.2	181.0	206.6	188.2
Iron ore	0.099	1,257.2	733.3	1,237.6	1,273.1	1,309.0	1,339.8
Nickel	0.333	208.3	151.2	141.8	199.3	200.8	179.9
Non-metals	0.268	376.0	388.4	430.9	407.9	400.0	390.7
Asbestos	0.189	281.5	295.3	324.9	299.1	283.5	281.0
Fuels	0.915	658.5	678.1	674.8	651.8	685.9	711.1
Coal	0.553	55.5	49.9	61.7	55.0	55.3	55.9
Natural gas	0.035	1,632.8	1,560.1	1,557.7	1,678.5	1,666.9	1,755.3
Petroleum	0.327	1,573.9	1,646.0	1,617.2	1,551.2	1,647.3	1,707.4
MANUFACTURING, TOTAL	27.340	245.3	244.8	246.1	248.1	249.6	249.8
NON-DURABLE MANUFACTURES	14.742	240.2	240.2	240.7	239.3	241.4	241.8
Foods and beverages	3.814	207.8	208.6	205.4	204.0	210.4	204.9
Foods	2.896	197.9	198.2	193.0	194.6	201.4	198.6
Meat products	0.523	196.4	190.2	184.9	184.5	211.8	200.4
Dairy products	0.450	199.1	203.1	196.9	199.5	208.9	206.2
Canning and processing	0.453	216.9	212.8	211.8	223.8	222.5	217.0
Grain mill products	0.322	201.5	210.6	203.0	204.6	213.4	214.5
Bakery products	0.558	157.9	158.7	158.8	157.6	156.3	155.6
Miscellaneous foods	0.590	219.8	221.2	209.6	207.1	206.2	209.2
Beverages	0.918	239.0	241.3	244.7	233.5	239.0	224.5
Carbonated beverages	0.231	225.5	235.1	227.2	218.0	230.1	222.6
Breweries	0.463	195.2	208.8	212.6	208.3	220.7	194.9
Distilleries	0.203	357.5	324.6	340.5	312.4	292.7	293.9
Tobacco and tobacco products ..	0.248	241.4	233.7	241.6	267.4	257.1	263.2
Rubber products	0.430	237.5	261.7	261.7	240.1	257.7	270.7
Leather products	0.508	140.2	133.1	137.4	138.5	135.7	135.2
Boots and shoes	0.307	143.3	131.7	136.5	141.1	139.0	138.6
Textiles	1.623	225.9	223.9	232.2	234.3	239.1	239.9
Cotton goods	0.507	117.7	108.8	110.1	148.7	159.1	157.6
Woollen goods	0.300	101.4	89.2	98.5	91.1	84.5	86.2
Synthetic Textiles and Silk	0.429	431.7	440.1	465.9	440.0	451.4	454.1
Clothing	1.801	180.0	179.1	173.6	177.9	176.7	180.1
Paper products	2.649	219.3	214.2	219.1	214.0	214.0	216.4
Pulp and paper	2.108	213.3	207.0	213.9	207.2	207.3	209.0

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		June	July	Aug.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	237.8	241.4	246.6	236.7	230.1	237.5
Products of petroleum and coal	0.513	377.4	378.2	366.5	369.4	374.0	356.8
Petroleum products	0.454	411.1	411.5	399.2	401.7	406.9	388.4
Chemicals and allied products	1.359	377.4	379.8	376.6	374.9	378.2	381.4
Acids, alkalies, salts and fertilizers	0.346	528.0	537.5	532.7	489.2	509.1	509.4
Miscellaneous manufactures	0.524	447.2	449.8	455.8	460.9	460.0	461.7
DURABLE MANUFACTURES	12.598	251.3	250.2	252.4	258.5	259.2	259.1
Wood products	2.108	185.1	188.2	182.8	180.8	179.9	184.8
Saw and planing mills	1.444	181.9	185.3	176.6	175.0	173.8	180.4
Veneers and plywoods	0.122	431.4	428.1	426.1	424.8	398.2	426.1
Sawmills	0.994	176.0	181.3	169.2	167.4	169.0	
Furniture	0.460	233.5	237.3	241.3	237.0	235.7	237.4
Iron and steel products	4.026	248.7	248.7	248.8	259.3	256.1	251.8
Machinery	0.851	271.0	271.2	274.7	280.3	281.5	282.4
Iron castings	0.387	191.4	178.5	203.7	228.1	239.2	222.4
Primary iron and steel	0.845	321.0	319.5	311.5	341.6	322.7	305.5
Sheet metal products	0.359	280.9	283.5	288.6	285.6	282.1	282.6
Transportation equipment	2.651	266.8	257.7	272.4	278.7	278.0	280.3
Aircraft and parts	0.203	406.5	418.9	423.0	451.3	455.3	455.0
Motor vehicles	1.035	367.0	336.7	368.8	379.6	369.0	372.6
Motor vehicle parts	0.462	327.2	339.4	346.7	346.7	363.6	368.5
Railway rolling stock	0.621	61.5	59.6	56.6	55.7	58.8	59.2
Shipbuilding and repairs	0.261	164.0	160.5	168.1	171.5	168.5	168.4
Non-ferrous metal products	1.601	200.2	190.9	186.0	196.9	197.9	195.0
Brass and copper products ...	0.241	184.3	182.2	184.2	179.2	178.5	177.7
Smelting and refining	1.028	198.9	185.2	175.9	194.0	193.9	189.5
Electrical apparatus and supplies	1.418	359.3	368.1	380.4	382.6	397.9	406.2
Heavy electrical machinery ..	0.489	269.0	272.0	281.8	284.5	283.8	283.0
Telecommunication equipment	0.142	1,017.0	1,082.5	1,101.4	1,126.7	1,178.2	1,264.1
Refrigerators and appliances	0.227	323.4	340.1	382.7	352.0	397.0	380.5
Non-metallic mineral products	0.794	298.8	306.3	293.5	295.2	299.0	289.3
Concrete products	0.098	892.7	901.7	860.6	889.5	887.5	834.5
Hydraulic cement	0.117	303.7	344.3	309.0	316.0	303.3	302.9
Domestic clay products	0.083	148.1	147.3	129.2	136.7	159.5	140.1
ELECTRIC POWER AND GAS UTILITIES	1.646	504.8	495.6	513.7	519.3	512.0	524.7
Electric power	1.480	469.2	461.0	477.7	478.4	467.3	477.9
Gas	0.166	821.8	804.1	834.9	883.7	910.1	941.6

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	263.7	268.7	274.0	279.9	286.3	290.3
MINING	346.4	365.6	399.4	371.5	384.1	405.0	411.4	409.9
Metals	245.7	249.5	276.3	251.3	256.1	271.1	275.2	253.7
Gold	85.9	80.6	79.0	81.3	80.6	69.9	67.4	67.7
Copper	187.8	195.6	197.0	179.3	222.1	183.9	205.8	211.7
Iron ore	1,185.3	1,236.8	1,505.1	1,489.8	1,252.9	1,756.9	1,623.1	1,259.4
Nickel	181.0	209.9	189.8	198.9	214.2	178.0	193.0	184.2
Non-metals	312.8	377.2	387.4	446.5	423.7	421.5	438.6	423.4
Asbestos	259.9	269.4	270.0	305.9	281.2	301.8	309.0	307.4
Fuels	557.7	592.8	630.5	569.1	616.3	647.0	655.1	718.6
Coal	55.1	56.3	56.3	58.9	68.7	55.5	58.1	66.6
Natural gas	1,382.3	1,476.4	1,276.9	1,435.6	1,597.0	1,443.5	1,603.6	1,844.8
Petroleum	1,319.2	1,405.5	1,532.3	1,339.2	1,437.4	1,562.1	1,563.3	1,700.6
MANUFACTURING, TOTAL	211.9	230.1	239.0	245.5	247.2	254.0	259.0	260.3
NON-DURABLE MANUFACTURES	211.2	224.1	239.3	241.1	238.2	250.8	252.2	251.2
Foods and beverages	185.6	193.1	222.4	214.0	210.9	230.7	227.3	218.2
Foods	180.6	187.4	219.7	207.8	195.3	225.9	220.9	205.1
Meat products	182.6	192.3	201.0	210.1	216.5	189.5	226.6	225.6
Dairy products	189.6	196.0	217.1	191.6	174.5	217.5	202.8	182.9
Canning and processing	190.0	197.2	344.9	253.5	180.4	380.6	283.6	201.3
Grain mill products	184.1	189.3	195.3	205.2	206.9	203.1	222.5	223.2
Bakery products	151.3	151.7	156.4	156.1	154.5	162.8	161.9	159.7
Miscellaneous foods	190.6	201.9	215.4	233.3	236.2	218.0	236.3	240.1
Beverages	201.3	211.0	230.7	233.6	260.1	245.6	247.8	259.4
Carbonated beverages	181.0	186.2	215.6	151.9	181.3	240.0	188.9	215.7
Breweries	185.7	191.1	161.6	173.2	215.6	179.1	199.3	213.4
Distilleries	262.1	284.8	389.0	448.4	454.3	384.2	410.1	416.2
Tobacco and tobacco products	232.1	243.4	257.6	259.4	262.2	282.4	267.9	277.7
Rubber products	232.8	237.4	263.0	258.3	266.8	261.9	263.9	292.1
Leather products	137.3	135.2	142.0	139.3	141.0	143.7	137.3	139.1
Boots and shoes	136.9	134.3	142.7	138.9	138.2	146.9	139.0	139.7
Textiles	203.3	220.6	245.5	238.5	231.2	244.6	247.1	249.8
Cotton goods	141.2	149.7	176.0	160.5	149.8	156.1	168.3	168.6
Woollen goods	91.2	89.6	109.1	104.8	90.4	100.7	94.9	89.9
Synthetic textiles and silk	338.4	391.3	435.2	425.8	417.3	460.2	458.2	469.5
Clothing	163.4	171.2	178.0	181.4	177.4	185.0	182.7	181.0
Paper products	186.3	198.3	203.7	211.2	208.5	216.9	222.6	224.9
Pulp and paper	182.0	192.8	194.2	203.9	202.6	207.2	215.0	219.0

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	222.8	243.3	245.8	237.9	244.7	251.5
Products of petroleum and coal	330.1	345.9	347.6	347.2	339.5	370.9	370.7	356.8
Petroleum products	357.9	375.5	377.3	377.2	368.4	403.3	403.2	388.4
Chemicals and allied products	312.7	344.7	355.6	369.6	363.1	375.5	386.5	384.6
Acids, alkalies, salts and fertilizers	416.5	469.0	488.3	498.3	509.6	479.4	516.2	524.2
Miscellaneous manufactures	386.5	407.3	432.2	436.9	436.4	483.0	485.8	483.9
DURABLE MANUFACTURES	212.7	237.2	238.7	250.7	257.7	257.7	267.0	270.9
Wood products	174.3	181.7	195.3	188.7	177.3	191.0	181.9	174.7
Saw and planing mills	180.0	182.8	199.0	187.7	170.3	186.8	173.1	162.2
Veneers and plywoods	397.7	403.8	429.2	427.2	435.4	433.7	403.0	435.9
Sawmills	172.8	177.1	194.3	179.8	153.8	181.3	166.3	
Furniture	192.6	216.3	227.1	231.3	233.0	245.5	246.1	246.9
Iron and steel products	215.2	239.1	253.0	250.7	250.6	266.0	260.4	256.2
Machinery	213.1	248.1	259.2	262.6	265.0	282.8	286.0	287.8
Iron castings	199.3	218.9	230.5	207.0	219.8	231.7	214.3	210.0
Primary iron and steel	291.2	320.0	339.6	334.3	336.0	346.0	329.2	317.1
Sheet metal products	248.1	274.2	296.1	289.0	279.3	302.5	291.7	282.9
Transportation equipment	210.5	250.0	197.1	259.3	298.2	233.9	275.9	311.4
Aircraft and parts	336.3	319.3	258.1	321.0	341.0	446.8	459.4	465.5
Motor vehicles	274.2	347.6	226.7	363.3	448.2	275.2	369.0	447.1
Motor vehicle parts	262.2	317.2	312.1	332.2	352.0	329.4	349.1	372.2
Railway rolling stock	58.9	62.6	62.9	63.2	63.6	55.6	59.4	60.3
Shipbuilding and repairs	148.7	161.9	160.9	163.5	167.8	168.6	167.0	169.1
Non-ferrous metal products	174.2	186.9	188.9	192.6	198.4	194.2	199.6	199.0
Brass and copper products ...	155.6	162.7	175.2	180.9	182.6	181.3	177.8	177.7
Smelting and refining	176.5	188.9	185.6	189.0	196.1	187.8	195.1	193.5
Electrical apparatus and supplies	279.1	319.2	341.1	347.9	352.7	403.9	428.8	437.4
Heavy electrical machinery ..	213.0	241.6	244.2	252.4	257.4	283.1	286.9	287.5
Telecommunication equipment	744.5	895.1	971.8	1,041.2	1,086.7	1,240.5	1,449.2	1,539.7
Refrigerators and appliances	274.9	301.9	342.3	323.4	313.7	387.2	397.0	376.7
Non-metallic mineral products	268.2	286.9	337.1	329.5	322.1	339.5	343.4	312.9
Concrete products	814.1	858.0	1,088.7	1,047.7	1,008.5	1,106.6	1,100.5	918.0
Hydraulic cement	277.5	298.8	358.4	367.7	320.0	385.5	376.1	327.1
Domestic clay products	138.3	142.8	165.1	156.0	155.3	154.7	173.4	152.3
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	406.8	451.6	502.5	463.9	492.5	552.3
Electric power	371.5	408.8	388.4	424.7	458.7	447.3	464.0	507.1
Gas	711.0	800.6	570.4	691.8	892.7	612.4	746.3	955.7

Real Domestic Product less Agriculture

Note to Users

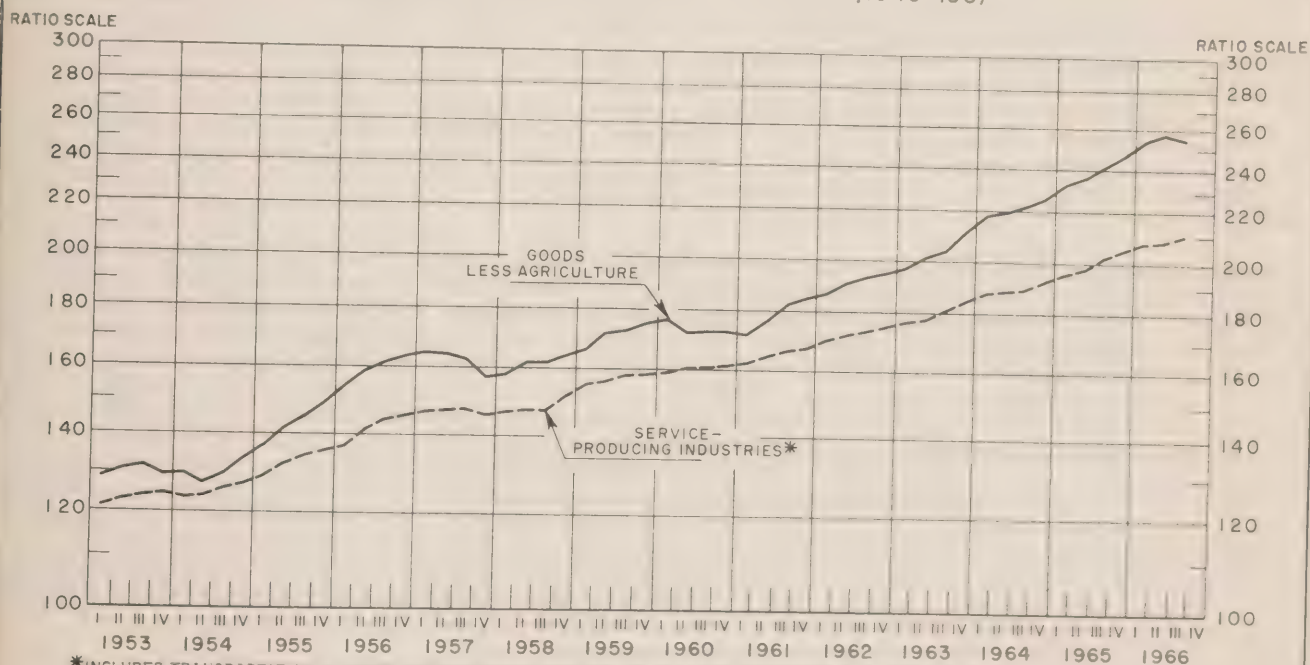
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

Real Domestic Product less Agriculture.

Third Quarter, 1966

At an index level of 231.8 for the third quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was virtually unchanged from its second quarter level. This was the result of a 1.1 per cent increase in the service-producing industry group being offset by a 0.9 per cent decline in the output of the goods-producing industry group, exclusive of agriculture. The following table shows the per cent changes in the major industry groupings from the second to the third quarter of 1966.

	Per cent <u>change</u>
Real Domestic Product, less agriculture	-
Forestry	- 7.6
Fishing and trapping	8.9
Mining	- 2.8
Manufacturing	0.1
Non-durable	-
Durable	0.3
Construction	- 4.7
Electric power and gas utilities	2.3
Transportation, storage and communication	- 2.2
Transportation	- 3.3
Trade	2.5
Wholesale	1.2
Retail	3.2
Finance, insurance and real estate	1.7
Public administration and defence	2.0
Community, recreation, business and personal service	1.2

Within the goods-producing industry group, declines ranging from about 3 to 7 1/2 per cent were recorded in mining, construction and forestry. Within mining, it was the 8.6 per cent decline in the strike-affected metal mining component which accounted for almost the entire 2.8 per cent decrease in total mining output. Fuel mining and non-metal mining advanced by 1 and 2.7 per cent, respectively. Within construction, it was the private residential construction component which showed the largest decline, accounting for about half of the total 4.7 per cent drop in construction. Among the remaining goods-producing industry groups, electric power and gas utilities advanced by 2.3 per cent, with most of the increase coming from a 2.5 per cent gain in the electric power component. Gas utilities increased by 1.4 per cent.

Manufacturing increased only fractionally from its second quarter level, as a result of the recovery of its durable manufacturing component from a marginal decline in the second quarter. Non-durable manufacturing showed no change from its second quarter level. Within durables, the increase came from the 4.8 and 1.5 per cent advances in the output of the electrical apparatus and supplies and the transportation equipment groups, the former largely as a result of the 9.1 per cent increase in its telecommunication equipment component. Increases in motor vehicle parts and aircraft and parts production accounted for the bulk of the gain in the transportation equipment group. Motor vehicle production was virtually unchanged in the third quarter, following a sharp decline in the second quarter of this year. It is now at a level slightly below that attained during the third quarter of 1965. On a monthly basis, however, there were considerable increases in production in both August and September, following a very low level for the month of July. The remaining major industry groups within durables showed declines in the third quarter, ranging from 0.3 per cent for the iron and steel products group to 3.6 per cent for non-ferrous metal products, the former largely as a result of a 1.6 per cent decline in the primary iron and steel component, the second consecutive decrease to be exhibited by this industry. The 5.7 per cent decline in the strike-affected smelting and refining industry accounted for almost all of the drop in the non-ferrous metals group.

Within non-durables, movements were mixed, with increases in such industry groups as foods and beverages, printing and publishing, rubber, miscellaneous manufacturing and textile products, offset by declines of one to 2 per cent in the remaining industry groups, with clothing, paper products and chemicals accounting for most of the decrease. The bulk of the increase in the third quarter came from strong gains in the brewery component of beverage products and the synthetic textiles and silk industry, which continued on its path of rapid and almost uninterrupted expansion begun in 1961.

Among the service-producing industries all but one of the major industry groupings showed increases from the second quarter, ranging from about one per cent in community, recreation, business and personal service, to 2 per cent in public administration and defence and 2.5 per cent in trade. The only decline (3.3 per cent) within the service-producing industry group was recorded by transportation, and was almost entirely the result of a drop in the output of the strike-affected railway industry, which more than offset the strong gains in such other components as air, bus and truck transport.

Trade was the largest single contributor to the third quarter gain in service-industry output, accounting for about three-quarters of this increase. Within trade, both components showed gains in the third quarter. Wholesale trade advanced by 1.2 per cent, with most components showing moderate increases in the quarter. Declines were recorded by petroleum bulk tank stations, wholesalers of construction materials and supplies and such other components as meat and dairy products, and fresh fruit and vegetable products. The bulk of the third quarter increase in trade came from the 3.2 per cent gain in retail trade, which in turn originated largely with the very sharp recovery in motor vehicle dealer sales from the drop the output of this industry took during the second quarter. It is now at a level slightly above the previous peak reached during the fourth quarter of 1965. The next largest contribution to the increase in total retail trade came from department stores, followed by furniture and appliance and by variety stores. Among the retail trades which showed declines in the third quarter were fuel dealers and lumber and building material dealers. Most of the remaining retail trades recorded moderate increases in the third quarter.

TABLE A.

	IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66		IQ'61 - IIIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	35.2	35.2	37.9	37.9	39.0	39.0	39.1	39.1
Forestry	22.0	.4	27.9	.5	37.5	.7	27.1	.5
Fishing and trapping ..	- 12.9	- .1	- 15.6	- .1	- 8.2	-	-	-
Mining	39.2	2.3	42.3	2.5	46.4	2.7	42.2	2.5
Manufacturing	49.3	14.5	53.0	15.6	53.7	15.8	53.8	15.9
Non-durable	37.9	6.3	41.6	6.9	43.1	7.1	43.0	7.2
Durable	64.2	8.2	67.8	8.7	67.4	8.6	67.9	8.7
Construction	38.5	2.6	40.9	2.8	44.5	3.0	37.7	2.6
Electric power and gas								
utilities	55.5	1.9	61.1	2.0	63.5	2.1	67.3	2.3
Other goods, n.e.c. ...	15.2	.2	16.1	.2	16.8	.2	17.1	.2
Transportation, storage								
and communication ...	37.9	3.6	39.8	3.8	44.6	4.2	41.4	3.9
Transportation	40.4	2.8	43.2	3.0	48.3	3.3	43.4	3.0
Trade	31.4	4.8	33.6	5.1	30.0	4.5	33.2	5.0
Wholesale	45.2	2.3	43.7	2.3	43.0	2.2	44.7	2.3
Retail	24.3	2.4	28.4	2.8	23.1	2.3	27.1	2.7
Finance, insurance and								
real estate	23.8	2.5	26.3	2.8	27.7	2.9	29.9	3.2
Public administration								
and defence	5.1	.3	5.3	.3	6.3	.4	8.4	.5
Community, recreation,								
business and personal								
service	22.2	2.3	23.6	2.4	24.4	2.5	25.9	2.7

Note: The columns may not add to the total due to rounding.

The above table shows the percentage increases of the major industry groupings and their contributions to the 39.1 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output increased by 10.5 and 13.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table on page 16). The current expansion has been of considerably longer duration than the preceding two, the third quarter of 1966 being the twenty-second quarter following the 1961 cyclical low. The

current quarter was the first time during the current expansion that non-agricultural real output showed virtually no increase from the level attained in the previous quarter. However, the Index of Industrial Production, which constitutes about 36 per cent of non-agricultural real output, continued to advance in the fourth quarter as indicated by an increase of one per cent for the month of October, with both manufacturing and mining contributing to the gain.

Turning to developments during the first nine months of 1966 as compared with the comparable period in the preceding year, it can be seen from the following table that non-agricultural real output advanced by 6.6 per cent. Although slightly lower than the 7.4 per cent increase indicated by the comparison of the first six months, it is still well above the post-war average annual rate of growth of 4.7 per cent. For instance, if a change of plus or minus one per cent, on a seasonally adjusted basis, is assumed for the fourth quarter of 1966 as compared with the third quarter of 1966, the former change would yield a year over year increase of 5.9 per cent for the year 1966 as a whole, while the latter would yield an annual increase of 5.4 per cent. The following table shows per cent changes in major industry groupings for the first nine months of 1966 as compared with the first nine months of 1965.

	Per cent change
Real Domestic Product, less agriculture	6.6
Forestry	5.1
Fishing and trapping	12.8
Mining	6.4
Manufacturing	8.2
Non-durable	8.0
Durable	8.4
Construction	7.6
Electric power and gas utilities	13.2
Transportation, storage and communication	7.5
Transportation	7.9
Trade	4.5
Wholesale	3.6
Retail	5.1
Finance, insurance and real estate	5.0
Public administration and defence	2.0
Community, recreation, business and personal service	4.6

Almost 60 per cent of the increase in non-agricultural real output for the first nine months of 1966 came from expansion in the output of the cyclically volatile manufacturing, transportation and trade industries, with increases also recorded by all other major industry groupings. Most industries advanced at rates exceeding their 1946-65 average annual rates of growth. The only exceptions were mining, wholesale trade and public administration and defence.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
Seasonally adjusted									
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	177.3	130.3	394.3	259.9	398.5	660.6	246.0	240.1
3	231.8	163.8	141.9	383.1	237.5	409.1	667.4	246.3	240.0
4									
Without seasonal adjustment									
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966									
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.5	161.6	124.8	396.5	270.7	409.4	638.7	251.2	241.9
3	234.4	197.7	198.6	388.4	248.4	405.6	643.4	241.0	241.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	204.2	251.9	251.1	138.6	224.7	181.0	218.4	239.6
3	206.2	247.6	254.5	136.3	230.2	176.9	215.9	241.5
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.4	266.9	267.5	138.8	231.8	177.9	219.0	249.6
3	228.5	233.9	220.2	127.7	213.3	180.4	216.7	229.7
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.7	252.9	188.2	253.1	265.7	198.4
3	371.0	376.4	455.7	253.7	183.9	252.3	269.6	191.3
4								
Without seasonal adjustment								
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.4	262.1	188.3	260.1	300.9	200.2
3	378.3	360.5	466.3	240.9	190.2	252.0	201.4	186.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1963 - 1	246.8	223.8	172.0	351.0	188.3	175.7	217.2	171.1	182.0
2	251.4	235.7	174.4	360.8	187.8	174.1	202.8	171.4	180.6
3	256.9	240.4	169.8	373.6	190.5	176.2	230.7	171.5	177.9
4	263.5	235.1	180.6	386.2	201.1	188.8	253.6	177.3	185.0
1964 - 1	265.9	259.5	195.8	390.3	204.6	191.9	233.7	184.7	199.9
2	273.3	263.2	181.7	401.2	208.9	195.8	259.4	181.9	195.5
3	283.9	266.3	183.5	413.4	210.7	197.1	252.7	183.8	195.4
4	292.1	282.3	199.1	422.4	213.8	201.0	215.4	185.6	197.7
1965 - 1	307.3	284.2	203.9	434.5	217.0	203.9	208.8	191.1	211.2
2	318.6	281.5	207.6	436.5	220.6	207.9	224.2	195.5	213.6
3	321.3	288.9	211.9	448.8	226.8	214.4	241.1	199.4	218.2
4	331.1	293.5	219.6	473.6	231.9	219.0	241.1	203.6	224.7
1966 - 1	338.1	307.1	223.3	490.6	235.2	223.4	231.6	207.0	222.5
2	359.7	300.6	229.0	497.9	243.2	231.4	256.3	201.3	221.3
3	376.9	298.5	218.2	509.5	237.8	223.7	256.6	206.3	224.0
4									
	Without seasonal adjustment								
1963	254.9	235.0	173.6	367.5	192.0	178.8	227.1	173.2	181.6
1964	279.1	268.2	190.4	405.7	209.3	196.4	239.6	183.8	197.2
1965	319.2	286.9	211.2	448.3	224.8	212.2	230.4	197.6	217.1
1966									
1963 - 1	243.6	177.8	109.5	395.9	170.6	153.6	181.4	156.4	181.0
2	244.9	241.8	176.7	349.3	192.4	180.9	212.6	178.0	190.4
3	253.5	274.6	214.2	324.7	203.2	193.8	240.8	165.9	168.5
4	277.7	245.8	194.1	400.3	201.9	186.8	273.4	192.4	186.4
1964 - 1	262.8	206.5	127.5	439.5	186.4	169.6	196.8	170.0	202.3
2	266.8	266.1	188.1	387.6	213.0	202.1	257.6	188.4	206.2
3	278.9	305.6	230.2	357.0	222.6	214.3	261.9	175.9	182.5
4	308.0	294.6	215.8	438.7	215.3	199.6	242.0	200.9	197.8
1965 - 1	303.8	226.2	142.2	491.3	198.7	181.4	174.0	177.8	217.1
2	311.0	284.0	208.1	421.9	226.0	215.8	222.1	203.0	226.7
3	313.7	329.1	255.3	386.7	240.2	233.2	254.4	189.8	201.1
4	348.2	308.1	239.0	493.3	234.2	218.4	271.2	220.0	223.5
1966 - 1	333.5	245.4	159.8	553.2	213.6	196.6	187.9	192.2	229.7
2	352.9	301.8	231.0	480.2	248.4	239.2	257.2	207.2	231.2
3	366.3	338.2	261.1	438.4	253.0	244.7	276.7	196.9	207.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.1	194.0	185.3	257.6	208.4	234.6	204.1	273.8
3	197.0	224.8	197.8	187.6	255.2	210.6	234.3	207.2	273.5
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2	190.1	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4	200.5	221.0	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8	184.1	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3	189.7	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1	195.4	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4	191.1	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8	185.7	203.3	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9	202.3	221.3	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7	203.7	225.1	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4	210.1	234.4	199.2	268.9
1966 - 1	172.6	214.7	185.7	179.3	242.0	196.9	220.4	197.9	270.0
2	194.7	222.5	194.4	185.6	259.8	211.5	237.5	204.4	277.5
3	191.6	228.3	204.6	192.3	258.3	212.8	236.7	211.6	266.0
4									

- (2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.
- (3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

Per cent changes in major industry groupings
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIIQ'66	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIIQ'66
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.1
Forestry	19.0	1.3	13.4	17.9	33.7	27.1
Fishing and trapping	1.8	- 18.4	63.9	3.9	- 7.4	-
Mining	55.5	24.7	34.8	48.6	16.2	42.2
Manufacturing	20.1	6.1	49.7	24.4	12.8	53.8
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	29.9	34.0	- 3.9	37.7
Electric power and gas						
utilities	44.4	38.1	73.3	33.9	28.9	67.3
Other goods industries, n.e.c.	9.7	- 4.1	17.0	21.2	1.5	17.1
Transportation, storage and						
communication	26.4	7.9	44.6	34.6	9.7	41.4
Transportation	25.7	4.7	45.9	40.1	9.0	43.4
Trade	20.7	6.9	31.2	24.5	9.7	33.2
Wholesale	20.8	11.0	34.7	31.9	16.8	44.7
Retail	20.6	4.7	29.2	20.8	6.1	27.1
Finance, insurance and real						
estate	16.9	15.5	34.4	12.0	9.6	29.9
Public administration and						
defence	10.4	9.1	13.4	7.0	5.1	8.4
Community, recreation, business						
and personal service	12.0	12.2	28.8	10.6	11.1	25.9

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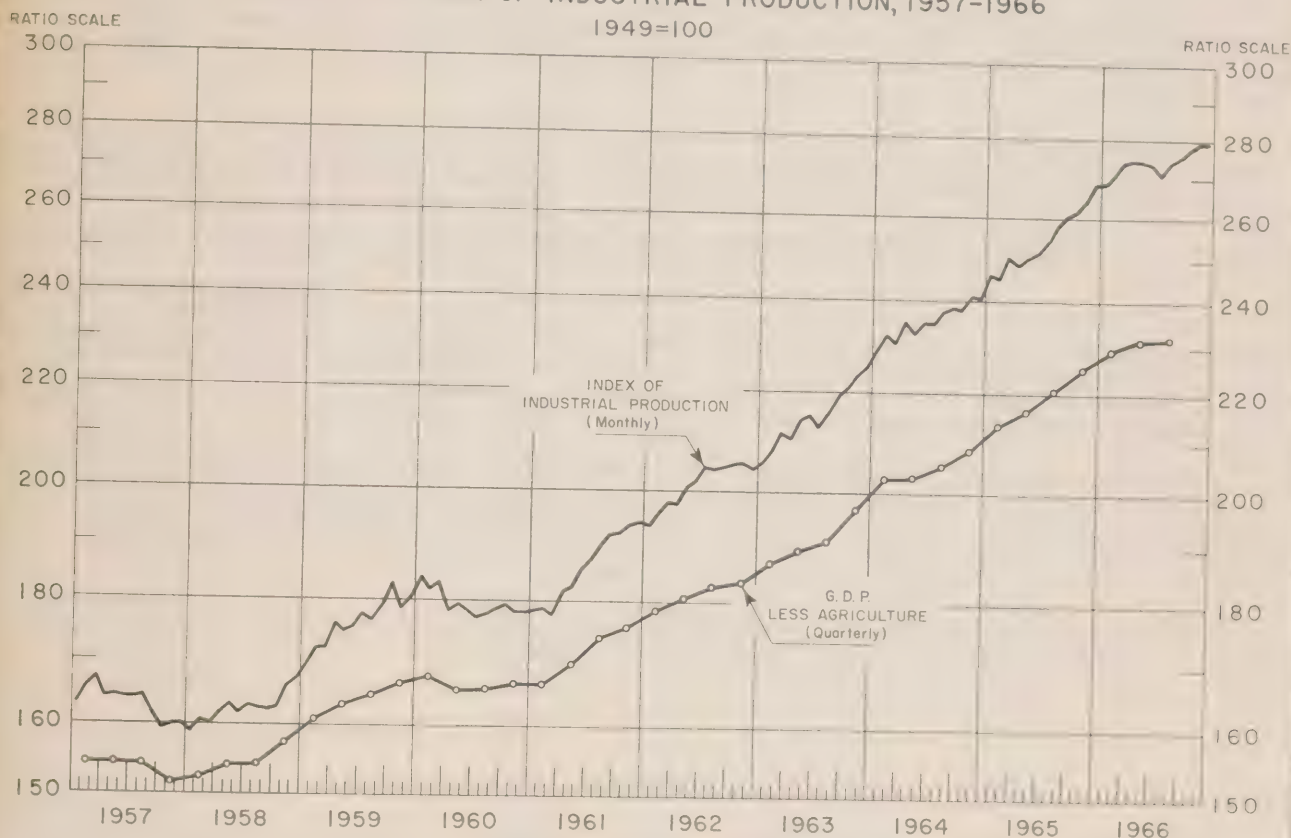
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

DECEMBER 1966

The seasonally adjusted index of industrial production was virtually unchanged in December.

COMPARISON OF GROSS DOMESTIC PRODUCT LESS AGRICULTURE
WITH THE INDEX OF INDUSTRIAL PRODUCTION, 1957-1966
1949=100



This issue contains indexes of non-agricultural real output for the latest available quarter (3rd quarter 1966).

National Accounts and Balance of Payments Division
Industrial Output Section

March 1967
2205-502

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DECEMBER INDEX OF INDUSTRIAL PRODUCTION

The Index of Industrial Production was virtually unchanged in December, declining to 279.4 from the revised November level of 279.5. Drops occurring in electric power and gas utilities and mining, amounting to 0.9 and 0.3 percent respectively, were almost entirely offset by a 0.2 percent gain in manufacturing. In manufacturing the entire gain was due to a 0.9 percent rise in non-durables, as durables fell by 0.7 percent.

With December data now available, the following changes are shown for the year 1966 as a whole: index of industrial production (+7.7%), mining (+6.7%), manufacturing (+7.3%), non-durables (+7.3%), durables (+7.4%), and electric power and gas utilities (+12.4%). During a year when economic activity was considerably affected by widespread labour stoppages, the mining industry was the only aggregate not to have exceeded its 1946-1965 growth rate; all other aggregates surpassed their longer-term performance by considerable margins.

However, these annual changes obscure some significant intra-annual movements within the year for industrial production. For example, comparing the fourth quarter of 1966 with the same quarter of 1965 a percentage gain of only 5.4% for the total index of industrial production is indicated. Of this change, about one half occurred in the first quarter of 1966, with the remainder being shared by the other three quarters. Considering the Index of Industrial Production in the context of monthly production movements, the cyclical expansion that had gotten underway in early 1961 continued virtually uninterrupted until a peak in April 1966 was reached; this level was not exceeded again until August. From then on, new production ground was broken with each month; until December showed little change from November.

Returning to November - December seasonally adjusted movements, iron and steel products were the major factor in the durables' decline, as they fell by more than 2 percent, while a 4 percent fall in non-metallic mineral products and fractional declines in transportation equipment and electrical apparatus and supplies added impetus. Gains were recorded in non-ferrous metal products (+4%) and wood products. The most significant movements within the detail of durables were a partially strike affected decline of 7% in primary iron and steel, and a drop of 2% in motor vehicles.

In non-durable manufactures (+0.9%) gains of better than 4 percent were registered by printing, publishing and allied industries, clothing, and tobacco, while lesser gains of from nearly 1 to nearly 3 percent were registered by miscellaneous manufactures, foods and beverages, leather products and textiles. Rubber products declined by 6 percent and lesser decreases of from nearly 1 to nearly 2 percent occurred in chemical and allied products, paper products, and products of petroleum and coal.

In mining, (-0.3%) a drop of nearly 3 percent in fuels was only partially offset by increases in metals and non-metals of nearly 3 percent and nearly 2 percent respectively. In fuels, nearly all of the decrease was due to a better than 2 percent drop in petroleum although natural gas and coal also fell by 5 percent and 1 percent respectively. The near 3 percent gain in metal mining was largely due to gains of 11 percent in copper and 13 percent in gold.

In electric power and gas utilities (-0.9%) the decline was due to a better than 6 percent fall in gas utilities, as electric power advanced fractionally.

NOTES

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005 May 1966. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		July	Aug.	Sept.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	32.231	270.8	274.2	275.7	278.3	279.5	279.4
MINING	3.245	376.3	389.6	384.4	401.6	401.6	400.3
Metals	1.925	224.5	241.9	246.5	259.5	253.1	260.0
Gold	0.575	74.2	66.1	69.7	68.8	65.7	74.1
Copper	0.352	165.5	162.2	181.0	206.6	188.2	209.1
Iron ore	0.099	733.3	1,237.6	1,273.1	1,309.0	1,339.8	1,367.8
Nickel	0.333	151.2	141.8	199.3	200.8	179.9	172.0
Non-metals	0.268	388.4	430.9	407.9	400.0	390.7	397.8
Asbestos	0.189	295.3	324.9	299.1	283.5	281.0	276.2
Fuels	0.915	678.1	674.8	651.8	685.9	708.9	689.7
Coal	0.553	49.9	61.7	55.0	55.3	55.9	55.1
Natural gas	0.035	1,560.1	1,557.7	1,678.5	1,666.9	1,755.3	1,669.1
Petroleum	0.327	1,646.0	1,617.2	1,551.2	1,647.3	1,701.3	1,658.1
MANUFACTURING, TOTAL	27.340	244.8	246.1	248.1	249.6	250.1	250.5
NON-DURABLE MANUFACTURES	14.742	240.2	240.7	239.3	241.4	242.4	244.5
Foods and beverages	3.814	208.6	205.4	204.0	210.7	205.1	207.2
Foods	2.896	198.2	193.0	194.6	201.8	198.8	200.7
Meat products	0.523	190.2	184.9	184.5	211.8	200.4	197.4
Dairy products	0.450	203.1	196.9	199.5	210.0	205.0	211.3
Canning and processing	0.453	212.8	211.8	223.8	223.2	218.0	221.6
Grain mill products	0.322	210.6	203.0	204.6	213.4	215.8	213.0
Bakery products	0.558	158.7	158.8	157.6	156.2	154.9	153.5
Miscellaneous foods	0.590	221.2	209.6	207.1	206.9	210.0	217.3
Beverages	0.918	241.3	244.7	233.5	239.1	225.1	227.6
Carbonated beverages	0.231	235.1	227.2	218.0	230.1	222.6	218.9
Breweries	0.463	208.8	212.6	208.3	220.7	194.9	201.9
Distilleries	0.203	324.6	340.5	312.4	292.7	293.9	296.0
Tobacco and tobacco products ..	0.248	233.7	241.6	267.4	257.1	263.2	275.3
Rubber products	0.430	261.7	261.7	240.1	257.7	270.7	253.8
Leather products	0.508	133.1	137.4	138.5	135.7	134.1	137.3
Boots and shoes	0.307	131.7	136.5	141.1	139.0	138.6	146.6
Textiles	1.623	223.9	232.2	234.3	239.3	239.1	245.9
Cotton goods	0.507	108.8	110.1	148.7	159.1	157.6	155.1
Woollen goods	0.300	89.2	98.5	91.1	84.5	86.2	90.3
Synthetic Textiles and Silk	0.429	440.1	465.9	440.0	451.4	452.4	481.2
Clothing	1.801	179.1	173.6	177.9	176.7	177.7	184.9
Paper products	2.649	214.2	219.1	214.0	213.9	216.2	214.2
Pulp and paper	2.108	207.0	213.9	207.2	207.3	209.0	206.5

TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		July	Aug.	Sept.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES - Concluded:							
Printing,publishing and allied industries	1.273	241.4	246.6	236.7	230.1	236.5	247.0
Products of petroleum and coal	0.513	378.2	366.5	369.4	374.0	390.3	383.2
Petroleum products	0.454	411.5	399.2	401.7	406.9	426.2	419.0
Chemicals and allied products	1.359	379.8	376.6	374.9	376.7	379.9	377.4
Acids, alkalies, salts and fertilizers	0.346	537.5	532.7	489.2	509.1	511.0	508.7
Miscellaneous manufactures	0.524	449.8	455.8	460.9	460.8	462.6	466.1
DURABLE MANUFACTURES	12.598	250.2	252.4	258.5	259.2	259.2	257.4
Wood products	2.108	188.2	182.8	180.8	179.7	188.4	189.1
Saw and planing mills	1.444	185.3	176.6	175.0	173.6	185.5	186.0
Veneers and plywoods	0.122	428.1	426.1	424.8	398.2	426.1	379.5
Sawmills	0.994	181.3	169.2	167.4	168.6	182.8	
Furniture	0.460	237.3	241.3	237.0	235.7	237.9	239.6
Iron and steel products	4.026	248.7	248.8	259.3	256.2	252.0	246.5
Machinery	0.851	271.2	274.7	280.3	281.3	282.4	285.1
Iron castings	0.387	178.5	203.7	228.1	239.2	224.4	211.3
Primary iron and steel	0.845	319.5	311.5	341.6	323.1	307.9	286.4
Sheet metal products	0.359	283.5	288.6	285.6	281.8	288.0	294.5
Transportation equipment	2.651	257.7	272.4	278.7	278.1	279.0	277.7
Aircraft and parts	0.203	418.9	423.0	451.3	457.5	462.1	463.5
Motor vehicles	1.035	336.7	368.8	379.6	369.0	372.6	364.9
Motor vehicle parts	0.462	339.4	346.7	346.7	363.4	356.1	361.3
Railway rolling stock	0.621	59.6	56.6	55.7	58.7	60.4	61.7
Shipbuilding and repairs	0.261	160.5	168.1	171.5	168.0	170.8	175.8
Non-ferrous metal products	1.601	190.9	186.0	196.9	197.9	194.4	201.6
Brass and copper products ...	0.241	182.2	184.2	179.2	178.5	176.2	176.6
Smelting and refining	1.028	185.2	175.9	194.0	193.9	189.5	200.2
Electrical apparatus and supplies	1.418	368.1	380.4	382.6	398.0	405.3	404.7
Heavy electrical machinery ..	0.489	272.0	281.8	284.5	283.8	278.2	272.3
Telecommunication equipment	0.142	1,082.5	1,101.4	1,126.7	1,178.3	1,262.1	1,291.0
Refrigerators and appliances	0.227	340.1	382.7	352.0	397.6	382.9	368.2
Non-metallic mineral products	0.794	306.3	293.5	295.2	298.7	287.3	275.3
Concrete products	0.098	901.7	860.6	889.5	887.5	834.5	761.4
Hydraulic cement	0.117	344.3	309.0	316.0	303.3	302.9	293.5
Domestic clay products	0.083	147.3	129.2	136.7	159.5	140.1	135.3
ELECTRIC POWER AND GAS UTILITIES	1.646	495.6	513.7	519.3	511.4	526.0	521.2
Electric power	1.480	461.0	477.7	478.4	466.7	477.9	479.5
Gas	0.166	804.1	834.9	883.7	910.1	954.9	893.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1964	1965	1965			1966		
			Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	268.7	274.0	263.9	286.3	290.6	276.2
MINING	346.4	365.6	371.5	384.1	371.3	411.9	409.6	390.2
Metals	245.7	249.5	251.3	256.1	245.1	276.0	253.7	237.4
Gold	85.9	80.6	81.3	80.6	76.4	70.2	67.7	71.4
Copper	187.8	195.6	179.3	222.1	200.1	205.8	211.7	208.9
Iron ore	1,185.3	1,236.8	1,489.8	1,252.9	1,112.3	1,623.1	1,259.4	1,024.5
Nickel	181.0	209.9	198.9	214.2	227.8	193.0	184.2	185.9
Non-metals	312.8	377.2	446.5	423.7	401.0	438.6	423.4	386.1
Asbestos	259.9	269.4	305.9	281.2	268.4	309.0	307.4	259.6
Fuels	557.7	592.8	569.1	616.3	629.7	655.1	716.4	722.7
Coal	55.1	56.3	58.9	68.7	61.3	58.1	66.6	60.4
Natural gas	1,382.3	1,476.4	1,435.6	1,597.0	1,713.2	1,603.6	1,844.8	1,966.2
Petroleum	1,319.2	1,405.5	1,339.2	1,437.4	1,475.0	1,563.3	1,694.5	1,709.5
MANUFACTURING, TOTAL	211.9	230.1	245.5	247.2	235.3	259.0	260.6	244.1
NON-DURABLE MANUFACTURES	211.2	224.1	241.1	238.2	225.0	252.2	251.8	236.8
Foods and beverages	185.6	193.1	214.0	210.9	184.2	227.8	218.5	193.0
Foods	180.6	187.4	207.8	195.3	178.9	221.4	205.3	187.8
Meat products	182.6	192.3	210.1	216.5	175.8	226.6	225.6	182.8
Dairy products	189.6	196.0	191.6	174.5	170.5	203.9	181.8	179.6
Canning and processing	190.0	197.2	253.5	180.4	159.1	284.7	202.5	174.3
Grain mill products	184.1	189.3	205.2	206.9	203.3	222.5	224.5	211.5
Bakery products	151.3	151.7	156.1	154.5	150.5	161.8	158.9	152.9
Miscellaneous foods	190.6	201.9	233.3	236.2	216.8	237.1	240.9	229.0
Beverages	201.3	211.0	233.6	260.1	200.8	248.0	260.0	209.4
Carbonated beverages	181.0	186.2	151.9	181.3	195.4	188.9	215.7	214.3
Breweries	185.7	191.1	173.2	215.6	176.1	199.3	213.4	188.6
Distilleries	262.1	284.8	448.4	454.3	261.2	410.1	416.2	251.6
Tobacco and tobacco products	232.1	243.4	259.4	262.2	225.0	267.9	277.7	246.1
Rubber products	232.8	237.4	258.3	266.8	259.0	263.9	292.1	253.8
Leather products	137.3	135.2	139.3	141.0	130.8	137.3	137.9	133.4
Boots and shoes	136.9	134.3	138.9	138.2	122.7	139.0	139.7	136.3
Textiles	203.3	220.6	238.5	231.2	235.1	247.3	249.0	248.0
Cotton goods	141.2	149.7	160.5	149.8	153.9	168.3	168.6	153.5
Woollen goods	91.2	89.6	104.8	90.4	85.0	94.9	89.9	83.1
Synthetic textiles and silk	338.4	391.3	425.8	417.3	432.5	458.2	467.8	491.8
Clothing	163.4	171.2	181.4	177.4	156.8	182.7	178.6	164.6
Paper products	186.3	198.3	211.2	208.5	199.0	222.5	224.6	209.0
Pulp and paper	182.0	192.8	203.9	202.6	192.6	215.0	219.0	202.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	243.3	245.8	229.9	244.7	250.5	243.2
Products of petroleum and coal	330.1	345.9	347.2	339.5	363.9	370.7	390.2	402.3
Petroleum products	357.9	375.5	377.2	368.4	396.1	403.2	426.2	440.8
Chemicals and allied products	312.7	344.7	369.6	363.1	360.9	385.1	383.3	369.3
Acids, alkalies, salts and fertilizers	416.5	469.0	498.3	509.6	557.1	516.2	525.8	533.6
Miscellaneous manufactures	386.5	407.3	436.9	436.4	420.5	486.6	484.8	468.9
DURABLE MANUFACTURES	212.7	237.2	250.7	257.7	247.4	267.0	270.9	252.7
Wood products	174.3	181.7	188.7	177.3	175.7	181.7	177.6	172.2
Saw and planing mills	180.0	182.8	187.7	170.3	168.9	172.8	166.5	160.0
Veneers and plywoods	397.7	403.8	427.2	435.4	412.0	403.0	435.9	365.8
Sawmills	172.8	177.1	179.8	153.8	155.6	165.9	153.2	
Furniture	192.6	216.3	231.3	233.0	230.9	246.1	247.4	244.6
Iron and steel products	215.2	239.1	250.7	250.6	238.6	260.5	256.4	234.1
Machinery	213.1	248.1	262.6	265.0	265.2	285.8	287.8	289.1
Iron castings	199.3	218.9	207.0	219.8	226.1	214.3	210.0	177.5
Primary iron and steel	291.2	320.0	334.3	336.0	303.3	329.6	319.6	260.6
Sheet metal products	248.1	274.2	289.0	279.3	269.7	291.4	288.3	284.5
Transportation equipment	210.5	250.0	259.3	298.2	289.3	275.9	310.2	292.3
Aircraft and parts	336.3	319.3	321.0	341.0	361.0	461.6	472.7	481.6
Motor vehicles	274.2	347.6	363.3	448.2	417.0	369.0	447.1	398.8
Motor vehicle parts	262.2	317.2	332.2	352.0	362.5	348.9	359.7	358.4
Railway rolling stock	58.9	62.6	63.2	63.6	63.5	59.3	61.5	62.4
Shipbuilding and repairs	148.7	161.9	163.5	167.8	166.9	166.5	171.5	174.2
Non-ferrous metal products	174.2	186.9	192.6	198.4	196.3	199.7	198.4	205.2
Brass and copper products ...	155.6	162.7	180.9	182.6	184.0	177.8	176.2	176.6
Smelting and refining	176.5	188.9	189.0	196.1	193.0	195.1	193.5	204.6
Electrical apparatus and supplies	279.1	319.2	347.9	352.7	344.1	428.9	436.4	406.5
Heavy electrical machinery ..	213.0	241.6	252.4	257.4	259.6	286.9	282.7	277.2
Telecommunication equipment	744.5	895.1	1,041.2	1,086.7	1,036.6	1,449.3	1,537.2	1,329.7
Refrigerators and appliances	274.9	301.9	323.4	313.7	292.1	397.6	379.1	338.7
Non-metallic mineral products	268.2	286.9	329.5	322.1	272.7	343.0	311.0	249.0
Concrete products	814.1	858.0	1,047.7	1,008.5	770.1	1,100.5	918.0	609.1
Hydraulic cement	277.5	298.8	367.7	320.0	232.6	376.1	327.1	228.9
Domestic clay products	138.3	142.8	156.0	155.3	151.1	173.4	152.3	133.3
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	451.6	502.5	525.9	491.9	553.7	583.8
Electric power	371.5	408.8	424.7	458.7	468.6	463.4	507.1	524.1
Gas	711.0	800.6	691.8	892.7	1,037.0	746.3	969.2	1,116.5

Real Domestic Product less Agriculture

Note to Users

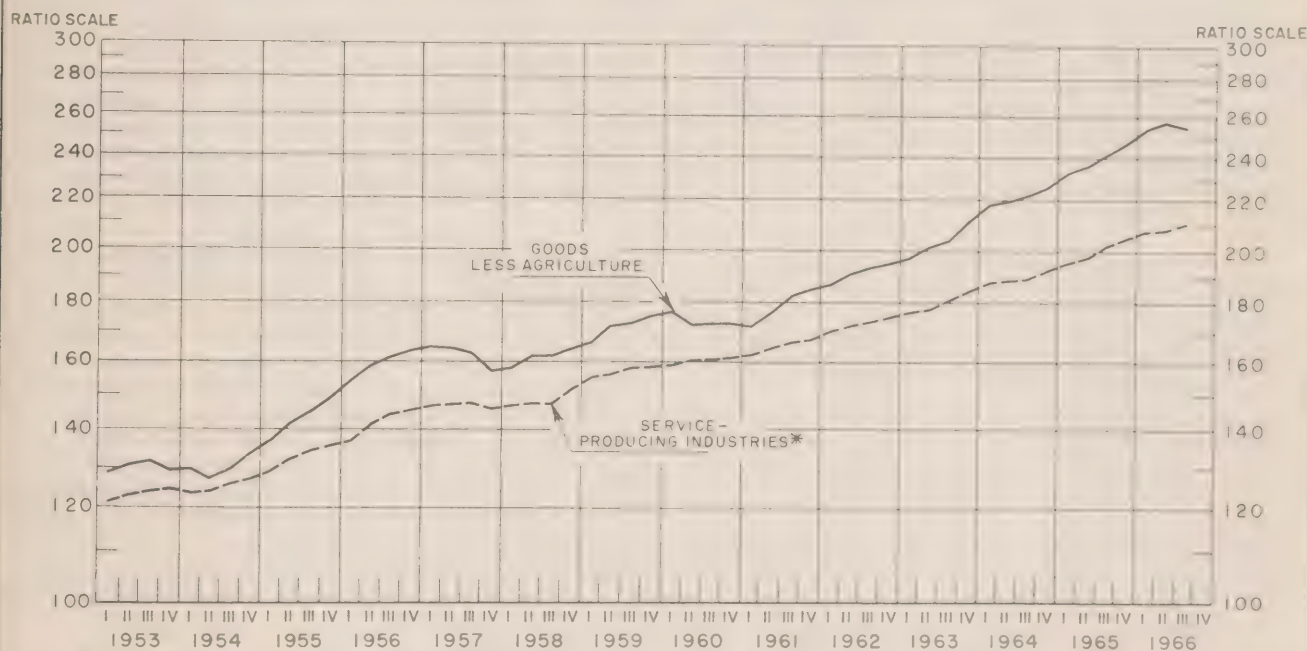
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,
BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



*INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE, INSURANCE AND REAL ESTATE;
PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE

Real Domestic Product less Agriculture,

Third Quarter, 1966

At an index level of 231.8 for the third quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was virtually unchanged from its second quarter level. This was the result of a 1.1 per cent increase in the service-producing industry group being offset by a 0.9 per cent decline in the output of the goods-producing industry group, exclusive of agriculture. The following table shows the per cent changes in the major industry groupings from the second to the third quarter of 1966.

	Per cent change
Real Domestic Product, less agriculture	-
Forestry	- 7.6
Fishing and trapping	8.9
Mining	- 2.8
Manufacturing	0.1
Non-durable	-
Durable	0.3
Construction	- 4.7
Electric power and gas utilities	2.3
Transportation, storage and communication	- 2.2
Transportation	- 3.3
Trade	2.5
Wholesale	1.2
Retail	3.2
Finance, insurance and real estate	1.7
Public administration and defence	2.0
Community, recreation, business and personal service	1.2

Within the goods-producing industry group, declines ranging from about 3 to 7 1/2 per cent were recorded in mining, construction and forestry. Within mining, it was the 8.6 per cent decline in the strike-affected metal mining component which accounted for almost the entire 2.8 per cent decrease in total mining output. Fuel mining and non-metal mining advanced by 1 and 2.7 per cent, respectively. Within construction, it was the private residential construction component which showed the largest decline, accounting for about half of the total 4.7 per cent drop in construction. Among the remaining goods-producing industry groups, electric power and gas utilities advanced by 2.3 per cent, with most of the increase coming from a 2.5 per cent gain in the electric power component. Gas utilities increased by 1.4 per cent.

Manufacturing increased only fractionally from its second quarter level, as a result of the recovery of its durable manufacturing component from a marginal decline in the second quarter. Non-durable manufacturing showed no change from its second quarter level. Within durables, the increase came from the 4.8 and 1.5 per cent advances in the output of the electrical apparatus and supplies and the transportation equipment groups, the former largely as a result of the 9.1 per cent increase in its telecommunication equipment component. Increases in motor vehicle parts and aircraft and parts production accounted for the bulk of the gain in the transportation equipment group. Motor vehicle production was virtually unchanged in the third quarter, following a sharp decline in the second quarter of this year. It is now at a level slightly below that attained during the third quarter of 1965. On a monthly basis, however, there were considerable increases in production in both August and September, following a very low level for the month of July. The remaining major industry groups with-in durables showed declines in the third quarter, ranging from 0.3 per cent for the iron and steel products group to 3.6 per cent for non-ferrous metal products, the former largely as a result of a 1.6 per cent decline in the primary iron and steel component, the second consecutive decrease to be exhibited by this industry. The 5.7 per cent decline in the strike-affected smelting and refining industry accounted for almost all of the drop in the non-ferrous metals group.

Within non-durables, movements were mixed, with increases in such industry groups as foods and beverages, printing and publishing, rubber, miscellaneous manufacturing and textile products, offset by declines of one to 2 per cent in the remaining industry groups, with clothing, paper products and chemicals accounting for most of the decrease. The bulk of the increase in the third quarter came from strong gains in the brewery component of beverage products and the synthetic textiles and silk industry, which continued on its path of rapid and almost uninterrupted expansion begun in 1961.

Among the service-producing industries all but one of the major industry groupings showed increases from the second quarter, ranging from about one per cent in community, recreation, business and personal service, to 2 per cent in public administration and defence and 2.5 per cent in trade. The only decline (3.3 per cent) within the service-producing industry group was recorded by transportation, and was almost entirely the result of a drop in the output of the strike-affected railway industry, which more than offset the strong gains in such other components as air, bus and truck transport.

Trade was the largest single contributor to the third quarter gain in service-industry output, accounting for about three-quarters of this increase. Within trade, both components showed gains in the third quarter. Wholesale trade advanced by 1.2 per cent, with most components showing moderate increases in the quarter. Declines were recorded by petroleum bulk tank stations, wholesalers of construction materials and supplies and such other components as meat and dairy products, and fresh fruit and vegetable products. The bulk of the third quarter increase in trade came from the 3.2 per cent gain in retail trade, which in turn originated largely with the very sharp recovery in motor vehicle dealer sales from the drop the output of this industry took during the second quarter. It is now at a level slightly above the previous peak reached during the fourth quarter of 1965. The next largest contribution to the increase in total retail trade came from department stores, followed by furniture and appliance and by variety stores. Among the retail trades which showed declines in the third quarter were fuel dealers and lumber and building material dealers. Most of the remaining retail trades recorded moderate increases in the third quarter.

TABLE A.

	IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66		IQ'61 - IIIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture	35.2	35.2	37.9	37.9	39.0	39.0	39.1	39.1
Forestry	22.0	.4	27.9	.5	37.5	.7	27.1	.5
Fishing and trapping ..	- 12.9	- .1	- 15.6	- .1	- 8.2	-	-	-
Mining	39.2	2.3	42.3	2.5	46.4	2.7	42.2	2.5
Manufacturing	49.3	14.5	53.0	15.6	53.7	15.8	53.8	15.9
Non-durable	37.9	6.3	41.6	6.9	43.1	7.1	43.0	7.2
Durable	64.2	8.2	67.8	8.7	67.4	8.6	67.9	8.7
Construction	38.5	2.6	40.9	2.8	44.5	3.0	37.7	2.6
Electric power and gas utilities	55.5	1.9	61.1	2.0	63.5	2.1	67.3	2.3
Other goods, n.e.c. ...	15.2	.2	16.1	.2	16.8	.2	17.1	.2
Transportation, storage and communication ...	37.9	3.6	39.8	3.8	44.6	4.2	41.4	3.9
Transportation	40.4	2.8	43.2	3.0	48.3	3.3	43.4	3.0
Trade	31.4	4.8	33.6	5.1	30.0	4.5	33.2	5.0
Wholesale	45.2	2.3	43.7	2.3	43.0	2.2	44.7	2.3
Retail	24.3	2.4	28.4	2.8	23.1	2.3	27.1	2.7
Finance, insurance and real estate	23.8	2.5	26.3	2.8	27.7	2.9	29.9	3.2
Public administration and defence	5.1	.3	5.3	.3	6.3	.4	8.4	.5
Community, recreation, business and personal service	22.2	2.3	23.6	2.4	24.4	2.5	25.9	2.7

Note: The columns may not add to the total due to rounding.

The above table shows the percentage increases of the major industry groupings and their contributions to the 39.1 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output increased by 10.7 and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table on page 16). The current expansion has been of considerably longer duration than the preceding two, the third quarter of 1966 being the twenty-second quarter following the 1961 cyclical low. The

current quarter was the first time during the current expansion that non-agricultural real output showed virtually no increase from the level attained in the previous quarter. However, the Index of Industrial Production, which constitutes about 36 per cent of non-agricultural real output, continued to advance in the fourth quarter as indicated by an increase of one per cent for the month of October, with both manufacturing and mining contributing to the gain.

Turning to developments during the first nine months of 1966 as compared with the comparable period in the preceding year, it can be seen from the following table that non-agricultural real output advanced by 6.6 per cent. Although slightly lower than the 7.4 per cent increase indicated by the comparison of the first six months, it is still well above the post-war average annual rate of growth of 4.7 per cent. For instance, if a change of plus or minus one per cent, on a seasonally adjusted basis, is assumed for the fourth quarter of 1966 as compared with the third quarter of 1966, the former change would yield a year over year increase of 5.9 per cent for the year 1966 as a whole, while the latter would yield an annual increase of 5.4 per cent. The following table shows per cent changes in major industry groupings for the first nine months of 1966 as compared with the first nine months of 1965.

	<u>Per cent change</u>
Real Domestic Product, less agriculture	6.6
Forestry	5.1
Fishing and trapping	12.8
Mining	6.4
Manufacturing	8.2
Non-durable	8.0
Durable	8.4
Construction	7.6
Electric power and gas utilities	13.2
Transportation, storage and communication	7.5
Transportation	7.9
Trade	4.5
Wholesale	3.6
Retail	5.1
Finance, insurance and real estate	5.0
Public administration and defence	2.0
Community, recreation, business and personal service	4.6

Almost 60 per cent of the increase in non-agricultural real output for the first nine months of 1966 came from expansion in the output of the cyclically volatile manufacturing, transportation and trade industries, with increases also recorded by all other major industry groupings. Most industries advanced at rates exceeding their 1946-65 average annual rates of growth. The only exceptions were mining, wholesale trade and public administration and defence.

TABLE 3. Indexes of Real Domestic Product, less Agriculture
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
	Seasonally adjusted								
1963 - 1	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2	231.7	177.3	130.3	394.3	259.9	398.5	660.6	246.0	240.1
3	231.8	163.8	141.9	383.1	237.5	409.1	667.4	246.3	240.0
4									
	Without seasonal adjustment								
1963	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965	219.0	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966									
1963 - 1	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1	202.3	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2	219.2	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3	223.2	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4	231.1	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2	234.5	161.6	124.8	396.5	270.7	409.4	638.7	251.2	241.9
3	234.4	197.7	198.6	388.4	248.4	405.6	643.4	241.0	241.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2	204.2	251.9	251.1	138.6	224.7	181.0	218.4	239.6
3	206.2	247.6	254.5	136.3	230.2	176.9	215.9	241.5
4								
	Without seasonal adjustment							
1963	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966								
1963 - 1	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2	202.4	266.9	267.5	138.8	231.8	177.9	219.0	249.6
3	228.5	233.9	220.2	127.7	213.3	180.4	216.7	229.7
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1963 - 1	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2	377.5	381.0	446.7	252.9	188.2	253.1	265.7	198.4
3	371.0	376.4	455.7	253.7	183.9	252.3	269.6	191.3
4								
	Without seasonal adjustment							
1963	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966								
1963 - 1	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2	357.9	394.0	436.4	262.1	188.3	260.1	300.9	200.2
3	378.3	360.5	466.3	240.9	190.2	252.0	201.4	186.1
4								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued
1949=100

	Manufacturing		Con- struction	Electric power and gas utilities	Transportation, storage and communication			Trade	
	Durable manufacturing				Total	Transpor- tation	Storage	Total	Whole- sale
	Electrical apparatus and supplies	Non- metallic mineral products							
1949 Weights ...	1.418	0.794	6.379	1.646	8.363	6.528	0.230	14.562	4.995
	Seasonally adjusted								
1963 - 1	246.8	223.8	172.0	351.0	188.3	175.7	217.2	171.1	182.0
2	251.4	235.7	174.4	360.8	187.8	174.1	202.8	171.4	180.6
3	256.9	240.4	169.8	373.6	190.5	176.2	230.7	171.5	177.9
4	263.5	235.1	180.6	386.2	201.1	188.8	253.6	177.3	185.0
1964 - 1	265.9	259.5	195.8	390.3	204.6	191.9	233.7	184.7	199.9
2	273.3	263.2	181.7	401.2	208.9	195.8	259.4	181.9	195.5
3	283.9	266.3	183.5	413.4	210.7	197.1	252.7	183.8	195.4
4	292.1	282.3	199.1	422.4	213.8	201.0	215.4	185.6	197.7
1965 - 1	307.3	284.2	203.9	434.5	217.0	203.9	208.8	191.1	211.2
2	318.6	281.5	207.6	436.5	220.6	207.9	224.2	195.5	213.6
3	321.3	288.9	211.9	448.8	226.8	214.4	241.1	199.4	218.2
4	331.1	293.5	219.6	473.6	231.9	219.0	241.1	203.6	224.7
1966 - 1	338.1	307.1	223.3	490.6	235.2	223.4	231.6	207.0	222.5
2	359.7	300.6	229.0	497.9	243.2	231.4	256.3	201.3	221.3
3	376.9	298.5	218.2	509.5	237.8	223.7	256.6	206.3	224.0
4									
	Without seasonal adjustment								
1963	254.9	235.0	173.6	367.5	192.0	178.8	227.1	173.2	181.6
1964	279.1	268.2	190.4	405.7	209.3	196.4	239.6	183.8	197.2
1965	319.2	286.9	211.2	448.3	224.8	212.2	230.4	197.6	217.1
1966									
1963 - 1	243.6	177.8	109.5	395.9	170.6	153.6	181.4	156.4	181.0
2	244.9	241.8	176.7	349.3	192.4	180.9	212.6	178.0	190.4
3	253.5	274.6	214.2	324.7	203.2	193.8	240.8	165.9	168.5
4	277.7	245.8	194.1	400.3	201.9	186.8	273.4	192.4	186.4
1964 - 1	262.8	206.5	127.5	439.5	186.4	169.6	196.8	170.0	202.3
2	266.8	266.1	188.1	387.6	213.0	202.1	257.6	188.4	206.2
3	278.9	305.6	230.2	357.0	222.6	214.3	261.9	175.9	182.5
4	308.0	294.6	215.8	438.7	215.3	199.6	242.0	200.9	197.8
1965 - 1	303.8	226.2	142.2	491.3	198.7	181.4	174.0	177.8	217.1
2	311.0	284.0	208.1	421.9	226.0	215.8	222.1	203.0	226.7
3	313.7	329.1	255.3	386.7	240.2	233.2	254.4	189.8	201.1
4	348.2	308.1	239.0	493.3	234.2	218.4	271.2	220.0	223.5
1966 - 1	333.5	245.4	159.8	553.2	213.6	196.6	187.9	192.2	229.7
2	352.9	301.8	231.0	480.2	248.4	239.2	257.2	207.2	231.2
3	366.3	338.2	261.1	438.4	253.0	244.7	276.7	196.9	207.1
4									

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2	190.8	221.1	194.0	185.3	257.6	208.4	234.6	204.1	273.8
3	197.0	224.8	197.8	187.6	255.2	210.6	234.3	207.2	273.5
4									
Without seasonal adjustment									
1963	168.8	194.5	188.1	165.0	202.9	180.4	191.2	190.1	215.3
1964	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965	187.5	211.9	190.7	178.8	239.4	200.5	221.0	198.6	254.9
1966									
1963 - 1	143.6	186.5	181.0	158.3	184.6	167.6	174.8	184.1	206.5
2	171.4	194.4	188.0	164.4	203.5	181.8	192.3	189.7	216.6
3	164.5	199.3	196.0	170.0	208.7	182.9	195.1	195.4	212.5
4	195.6	197.7	187.5	167.1	214.9	189.1	202.4	191.1	225.8
1964 - 1	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1	157.2	204.4	183.7	170.5	220.8	185.7	203.3	192.9	245.9
2	190.6	212.5	190.6	178.1	237.9	202.3	221.3	198.3	254.0
3	183.8	216.7	198.6	184.5	244.7	203.7	225.1	204.0	250.7
4	218.2	214.0	189.8	182.1	254.4	210.1	234.4	199.2	268.9
1966 - 1	172.6	214.7	185.7	179.3	242.0	196.9	220.4	197.9	270.0
2	194.7	222.5	194.4	185.6	259.8	211.5	237.5	204.4	277.5
3	191.6	228.3	204.6	192.3	258.3	212.8	236.7	211.6	266.0
4									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.

Per cent changes in major industry groupings
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIIQ'66	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIIQ'66
Real domestic product less						
agriculture	21.4	9.0	38.2	23.1	10.5	39.1
Forestry	19.0	1.3	13.4	17.9	33.7	27.1
Fishing and trapping	1.8	- 18.4	63.9	3.9	- 7.4	-
Mining	55.5	24.7	34.8	48.6	16.2	42.2
Manufacturing	20.1	6.1	49.7	24.4	12.8	53.8
Non-durable	19.3	12.9	43.9	19.4	14.6	43.0
Durable	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction	27.8	- 0.9	29.9	34.0	- 3.9	37.7
Electric power and gas						
utilities	44.4	38.1	73.3	33.9	28.9	67.3
Other goods industries, n.e.c.	9.7	- 4.1	17.0	21.2	1.5	17.1
Transportation, storage and						
communication	26.4	7.9	44.6	34.6	9.7	41.4
Transportation	25.7	4.7	45.9	40.1	9.0	43.4
Trade	20.7	6.9	31.2	24.5	9.7	33.2
Wholesale	20.8	11.0	34.7	31.9	16.8	44.7
Retail	20.6	4.7	29.2	20.8	6.1	27.1
Finance, insurance and real						
estate	16.9	15.5	34.4	12.0	9.6	29.9
Public administration and						
defence	10.4	9.1	13.4	7.0	5.1	8.4
Community, recreation, business						
and personal service	12.0	12.2	28.8	10.6	11.1	25.9

CANADA. BUREAU OF STATISTICS

Catalogue No.

61-005

(ANNUAL SUPPLEMENT TO THE MONTHLY
INDEX OF INDUSTRIAL PRODUCTION (1949=100), *supplement*

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NOTE TO USERS

This supplement to the monthly Index of Industrial Production publication updates to the end of 1966 the data included in the May, 1966 supplement for the entire Real Domestic Product system. Revisions for the year 1966 incorporate raw data changes as well as more up-to-date seasonal adjustments. The 1965 data have been included here for comparison purposes and are unchanged from those published in the May, 1966 Supplement, with the exception of construction and all the aggregates of which it forms a part.

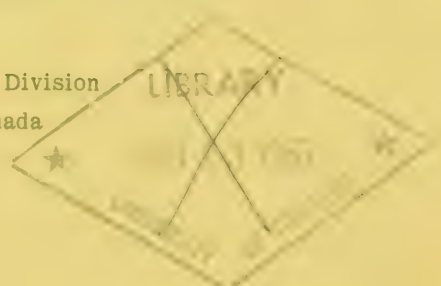
A major updating of the Real Domestic Product measures, including the Index of Industrial Production, is planned for release in an occasional paper in 1968. This updating will provide industry output indexes based on the new Standard Industrial Classification (DBS Catalogue No. 12-501), and will also introduce a new (1961) base period.

Industrial Output Section

National Accounts, Production and Productivity Division

Dominion Bureau of Statistics, Ottawa, Canada

May 1967
2205-502



NOTE RE HISTORICAL CONTINUITY

1. For a continuous record of the Index of Industrial Production and its components, the sources are as follows:

1919-34 — **May, 1963 Supplement to the Monthly Index of Industrial Production**, DBS Catalogue No. 61-005

1935-45 — **Revised Index of Industrial Production, 1935-57**, DBS Catalogue No. 61-502

1946-65 — **May, 1966 Supplement to the Monthly Index of Industrial Production**, DBS Catalogue No. 61-005 (Supplement)

1965-66 — **May, 1967 Supplement to the Monthly Index of Industrial Production**, DBS Catalogue No. 61-005

1967 to date — **Index of Industrial Production (1949 = 100)**, DBS Catalogue No. 61-005

2. For a continuous record of the Index of Real Domestic Product and its components, the sources are as follows:

1935-45 — **Indexes of Real Domestic Product by Industry of Origin, 1935-61**, DBS Catalogue No. 61-505 (Annual data only)

1946-64 — **May 1966 Supplement to the Monthly Index of Industrial Production**, DBS Catalogue No. 61-005 (Supplement)

Users should note the following changes made since release of the May 1966 Supplement:

For the year 1963:	Without seasonal adjustment				
	I Q	II Q	III Q	IV Q	Year
Total commercial industries	162.3	181.1	212.1	188.8	186.1
Total commercial industries less agriculture ¹	174.8	192.3	195.1	202.4	191.2
Total non-commercial industries ¹	184.1	189.7	195.4	191.1	190.1

¹ First published in the July, 1966 issue of DBS Catalogue No. 61-005.

1965-66 — **May, 1967 Supplement to the Monthly Index of Industrial Production**, DBS Catalogue No. 61-005

1967 to date — **Index of Industrial Production (1949 = 100)**, DBS Catalogue No. 61-005

ANALYSIS OF INDUSTRY REAL OUTPUT TRENDS

At an index level of 226.5 (1949=100), total Real Domestic Product for the year 1966 was 7.0 per cent above its 1965 level. This is the largest year-to-year increase (see Table B) achieved during the current cyclical expansion in production which began in 1961, and compares favourably with the average annual rate of growth of 4.48 per cent for the entire 1946-66

period. The growth within the year 1966, however, was less than that achieved during 1965. Thus the increase in real domestic product as measured from the fourth quarter of 1964 to the fourth quarter of 1965 was 7.8 per cent, while the corresponding increase for 1966 was 5.8 per cent.

TABLE A. Rates of Growth¹

Selected industry groupings	1946-65	1946-66
	percentage	
Real Domestic Product	4.41	4.48
Real Domestic Product, less agriculture	4.73	4.78
Index of Industrial Production ²	5.61	5.70
Goods-producing industries	4.57	4.67
Service-producing industries ³	4.24	4.26
Manufacturing	4.78	4.90

¹ Based on the least squares of logarithms method.

² Includes manufacturing, mining and electric power and gas utilities.

³ Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal services.

The growth in Canada's population from June 1965 to June 1966 was only 1.8 per cent as compared to the 7.0 per cent gain in real output. Thus only a relatively small part of the 1966 increase in production had to be devoted to meeting the needs of an expanding population, while the larger part consti-

tuted an increase in real output per head. This increase was achieved with a 4.2 per cent expansion in the employed labour force, indicating a slight gain in output per person employed. This gain, however, appeared to be less than that achieved during 1965, and was accompanied by higher unit labour costs.

TABLE B. Analysis of Year-to-year Changes in Total Real Domestic Product and Industry Contribution to that Change

Industry or group	1959	1960	1961	1962	1963	1964	1965	1966
	percentage							
Year-to-year change in Real Domestic Product	5.5	1.7	2.0	6.5	5.6	6.2	6.9	7.0
Percentage contributions to the above change:								
Total Real Domestic Product	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agriculture	0.1	11.4	- 39.8	8.2	13.8	7.6	7.6	12.5
Forestry	3.8	9.0	- 7.2	1.7	1.9	1.7	0.2	1.6
Fishing and trapping	- 0.8	- 0.4	2.0	0.4	- 0.3	0.3	- 0.1	0.5
Mining	12.4	0.3	7.4	5.6	4.4	5.7	4.5	6.1
Manufacturing	35.7	23.7	47.8	28.1	35.0	29.3	36.5	31.3
Construction	- 5.9	- 18.7	10.7	6.2	1.7	6.1	9.7	6.3
Electric power and gas utilities	6.4	15.3	9.1	3.2	4.9	3.4	5.1	6.2
Other goods, n.e.c.	1.1	- 1.5	0.5	0.9	0.9	0.9	0.2	0.5
Transportation, storage, communication	13.9	10.6	21.2	8.5	10.8	8.8	9.5	9.9
Trade	15.6	1.4	7.2	13.8	9.3	13.5	14.8	8.4
Finance, insurance and real estate	8.0	20.8	16.9	9.5	10.6	9.4	6.0	6.9
Public administration and defence	2.1	- 4.9	8.9	5.0	0.1	4.5	0.3	1.6
Community, recreation, business and personal service	7.6	23.3	15.2	9.1	6.9	8.8	5.8	8.1

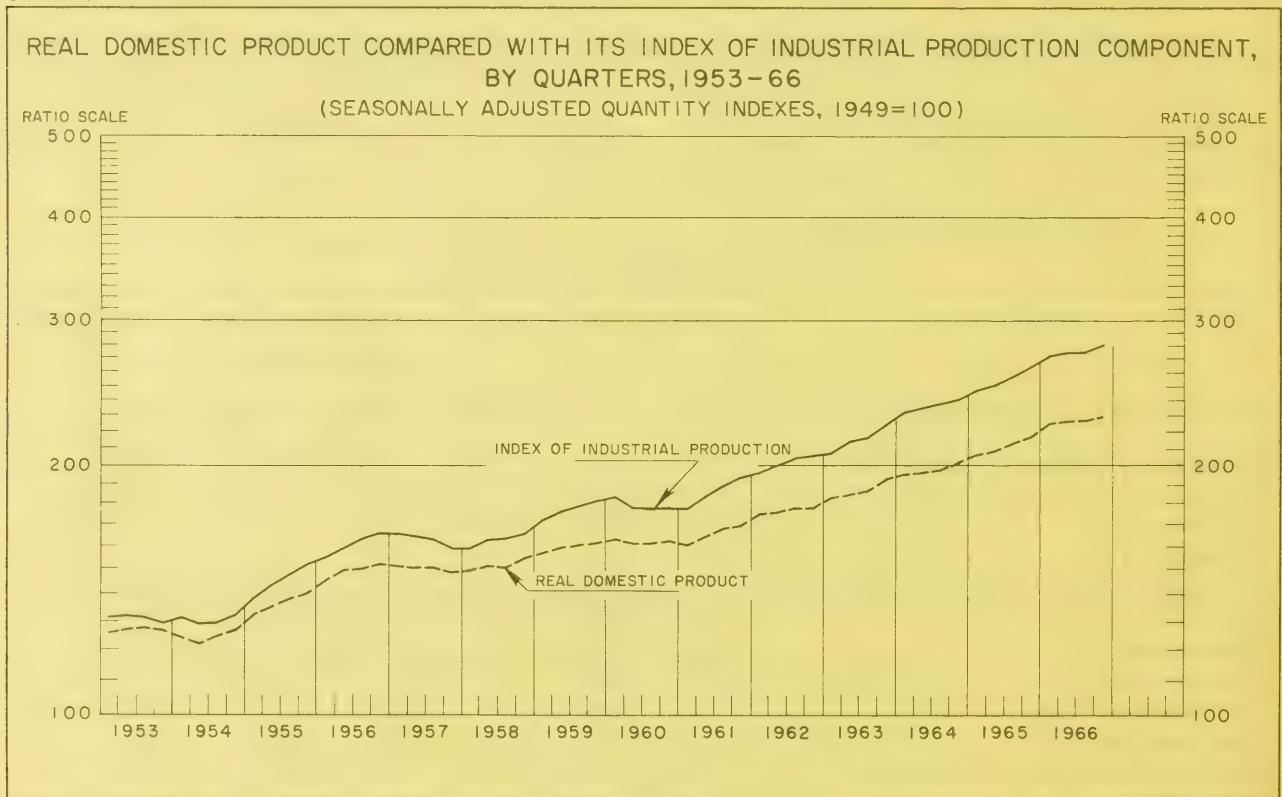
The industrial origin of the 7.0 per cent increase in real domestic product for 1966 differed from that of the previous year. As can be seen from Table B, the most significant change was the decline in the relative contribution to the total gain of the cyclically sensitive industry groups, such as manufacturing and trade, whose joint contribution declined from 51.3 to 39.7 per cent. This was the result of year-to-year increases of 7.4 and 4.4 per cent, respectively, for manufacturing and trade. While in excess of their post-war average annual rates of growth, these increases were smaller than the percentage gains which both these industry groups registered during 1965. Construction was the only other major industry group to show a relatively smaller contribution to the total advance than it did in the previous year. The most important relative gain occurred in agriculture, which increased its contribution to the aggregate increase from 7.6 per cent in 1965 to 12.5 per cent in 1966. This was largely the result of the 1966 record grain crop, which substantially exceeded the previous record crop harvested in 1963. The transportation, storage and communication group, which advanced by 7.9 per cent, more than maintained its share of the total gain in 1966. The remaining indus-

try groups also increased their share of this gain. In terms of year-to-year change, these industries recorded advances ranging from 2.7 per cent in public administration and defence to 12.5 per cent in electric power and gas utilities. Mining increased by 7.7 per cent.

Developments within 1966

Turning to developments within the year 1966, it can be seen that the pattern of expansion was not evenly distributed. Following a 3.1 per cent gain in the first quarter of 1966, there was a marked slow-down in the rate of advance of real domestic product in the second and third quarters, particularly the latter, when aggregate output remained virtually unchanged from the previous quarter. It should be noted that the third quarter was particularly affected by labour disputes. The fourth quarter witnessed a return to a rate of expansion that was more in line with the average rate experienced during the current expansion. As can be seen from Chart 1, a similar pattern of growth was exhibited by the Index of Industrial Production during 1966.

CHART-1



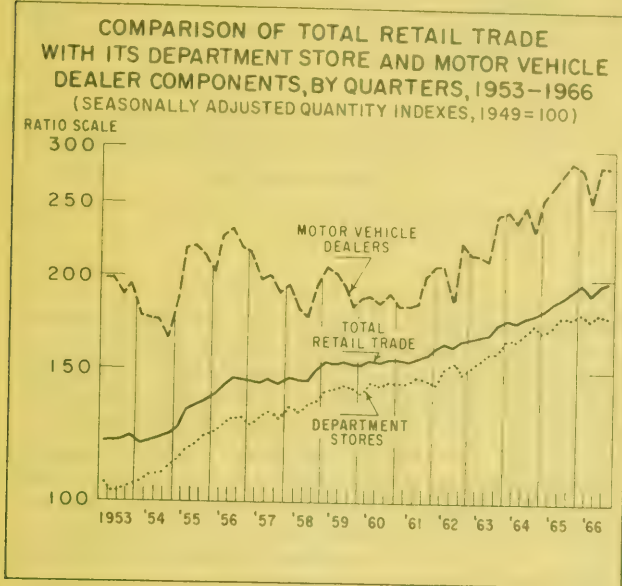
Most major industry groups contributed to the first quarter, 1966, increase in real output. Aside from agriculture, which accounted for about one third of the gain, manufacturing, construction and retail trade were major contributors, accounting for another

one third of the increase. Within manufacturing, it was the non-durable component that advanced more rapidly, with durables showing a 1.9 per cent increase. Within non-durables, the paper, petroleum and coal products and chemicals groups showed fairly

strong gains during the first quarter. The foods and beverages group continued to advance at about the same rate as during the preceding quarter. The 2.5 per cent increase in retail trade was in part due to more than seasonal increases in the purchases of consumer durables and luxuries, probably in anticipation of the increase in the Ontario sales tax rates on April 1, 1966. The 1966 peak in retail sales was reached in March and was followed by a very sharp decline in April. These movements were particularly pronounced in the case of department stores, furniture and appli-

ance dealers and motor vehicle dealers, although in the last instance low January and February levels offset the sharp rise in March, resulting in a small decline on a quarterly basis, followed by a further decline in the second quarter. The decline in total retail trade for the second quarter was 2.5 per cent. The third quarter, however, witnessed a strong recovery followed by a further increase in the fourth quarter. It is interesting to note a somewhat similar pattern of retail sales and consumer expenditure in the United States.

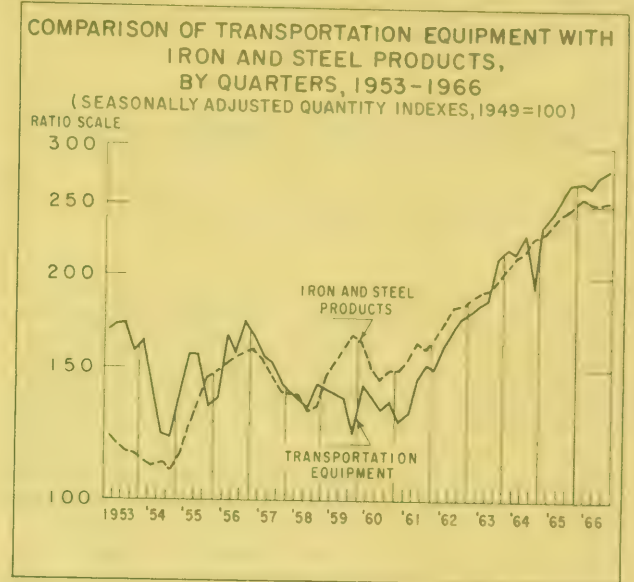
CHART-2



During the second quarter of 1966, real domestic product increased by 0.9 per cent on a seasonally adjusted basis. Agriculture showed a fractional decline from its high first quarter level and continued to decline through the rest of the year, thus making no further direct contribution to the growth of real domestic product during 1966. Trade, as mentioned before, declined by 1.7 per cent, largely as a result of the drop in retail sales. There was also a slow-down in the rate of increase in manufacturing, particularly durables, which advanced only fractionally from the first quarter level. This was due largely to a decline in the output of the transportation equipment group (particularly its motor vehicles component) and in iron and steel products, which continued to decline in the third quarter. These are the two industry groups that have expanded most rapidly during the current expansion, and which, during the post-war period as a whole, appeared to be more sensitive to cyclical fluctuations than any other industry groups in the Canadian economy.

In the third quarter of 1966, real domestic product registered only a 0.1 per cent increase from the level attained in the previous quarter, with many major industry groups showing declines. The most important among these were mining, forestry, agricul-

CHART-3



ture, construction and transportation, which recorded declines ranging from about 1½ per cent in agriculture and transportation to 6.4 per cent in forestry. It should be noted that while loss of production during 1966 due to labour disputes was generally higher than during the previous two years, the impact of these disputes on the third quarter was particularly severe. During the third quarter, the industries most affected were transportation and mining, the latter because of strikes in the iron ore mining industry, and the former because of the railway strike. While there were some compensating increases in air and bus transportation of passengers, the bulk of the decline was in terms of freight shipments. Within manufacturing, which increased by about one-half of one per cent, some industries, such as textiles, were severely affected by labour disputes. In the case of textiles, for instance, major strikes resulted in low levels of output for both the second and the third quarters. Within durable manufacturing, transportation equipment recovered from the second quarter decline and the electrical apparatus group continued the rapid advance which it maintained throughout 1966. Trade, as mentioned before, recovered from its second quarter low, while the remaining service industries continued to record moderate advances.

CHART-4

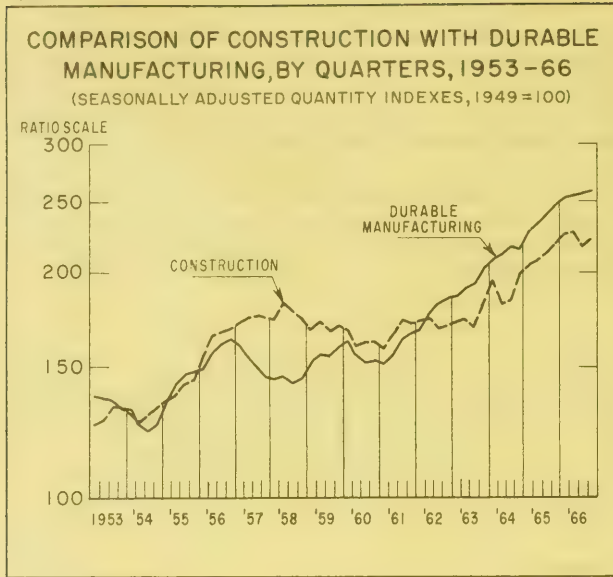
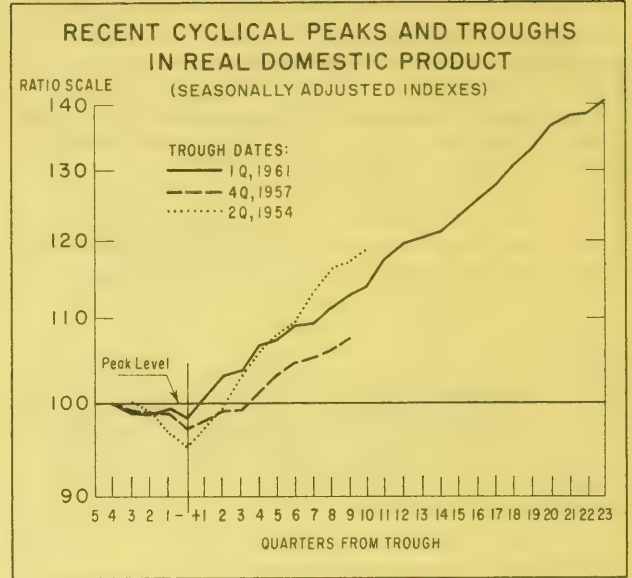


CHART-5



In the fourth quarter, most major industries contributed to the 1.6 per cent advance in real domestic product. The largest single contributor was manufacturing, which advanced by 1.5 per cent, with both durables and non-durables advancing at roughly the same rate. The 5.3 per cent increase in mining and the 4.4 per cent increase in transportation, which showed a strong recovery from the strike-affected third quarter level, were the next largest contributors, followed by trade and the finance, insurance and real estate group, which advanced by 1.3 and 1.5 per cent, respectively. Construction showed a small increase of 1.7 per cent, following the third quarter

decline of 4.6 per cent, while the community, recreation, business and personal services group recorded a fractional increase. Thus, toward the end of 1966, the majority of industries were showing some recovery from the depressed second and third quarter levels. On the whole, however, these increases failed to provide a clear indication of expansionary trends. The monthly Index of Industrial Production, which accounts for about one-third of real domestic product, declined in December of 1966 and continued this decline in January, 1967.

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1965 - Dec. 1966
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Index of Industrial Production (1949 percentage weight 32,231):												
1965	246.4	245.5	250.6	248.8	250.3	251.6	254.9	258.2	260.2	261.6	264.0	268.6
1966	269.3	272.1	272.7	274.8	273.7	274.3	272.1	274.6	277.2	280.1	280.6	280.1
Total mining (3.245):												
1965	361.7	352.3	364.3	361.4	350.3	355.4	360.7	373.9	383.7	362.2	377.8	385.0
1966	375.0	390.8	394.6	398.6	399.6	393.7	377.8	390.1	391.9	410.5	406.3	404.4
Total metal mining (1.925):												
1965	261.0	244.1	256.5	241.4	240.8	238.5	244.5	240.2	260.6	239.5	258.0	270.6
1966	256.3	264.2	265.6	262.8	259.7	261.8	222.9	247.7	255.9	267.7	256.4	266.5
Gold (0.575):												
1965	85.9	83.3	81.4	83.1	80.1	83.0	75.9	79.6	78.6	79.6	77.5	79.0
1966	76.0	80.1	78.9	76.2	81.2	70.8	75.7	68.2	71.8	69.1	66.4	72.0
Iron ore (0.099):												
1965	1,454.3	1,283.9	1,274.1	1,239.0	1,088.6	1,084.2	1,159.7	1,153.3	1,230.7	1,268.8	1,442.8	1,507.4
1966	1,504.9	1,453.6	1,333.4	1,360.5	1,298.3	1,310.3	801.6	1,329.0	1,401.5	1,441.6	1,410.3	1,445.9
Copper (0.352):												
1965	193.7	195.6	191.9	196.9	215.9	187.2	204.5	186.1	193.1	179.3	196.9	200.2
1966	194.4	198.1	199.1	188.3	199.1	210.5	166.2	178.5	185.7	205.6	184.7	209.0
Nickel (0.333):												
1965	222.4	202.6	214.2	208.6	203.6	205.8	217.2	216.6	209.4	206.4	208.6	212.2
1966	204.0	197.4	209.3	202.8	184.7	202.8	145.2	136.8	193.9	194.6	178.1	171.5
Total non-metal mining (0.268):												
1965	349.8	349.6	360.1	359.2	360.7	379.0	377.9	403.2	372.7	404.3	390.0	410.3
1966	407.9	413.7	425.6	409.0	411.6	384.5	397.3	412.8	410.2	397.2	396.7	397.6
Asbestos (0.189):												
1965	263.1	268.4	271.9	271.2	264.9	273.5	269.2	267.4	266.4	278.4	256.6	281.5
1966	287.5	289.9	308.7	291.5	293.3	286.2	298.2	314.8	299.7	285.8	290.3	278.5
Total fuel mining (0.915):												
1965	564.9	568.7	577.1	601.8	563.4	582.5	587.8	633.2	633.7	593.6	609.9	601.7
1966	600.2	630.5	638.0	667.7	676.8	665.4	682.4	669.6	658.9	702.5	715.8	689.7
Coal (0.553):												
1965	58.3	58.1	60.2	58.8	55.0	56.2	49.1	56.4	54.9	53.9	57.5	55.7
1966	54.5	57.3	54.1	52.5	56.1	54.6	48.9	58.9	54.7	54.3	54.7	54.4
Natural gas (0.035):												
1965	1,418.5	1,399.2	1,463.3	1,461.3	1,496.1	1,534.1	1,491.8	1,531.5	1,483.7	1,498.5	1,520.1	1,457.2
1966	1,550.1	1,515.5	1,545.7	1,605.5	1,592.4	1,593.8	1,610.9	1,599.2	1,597.6	1,657.9	1,688.6	1,634.7
Petroleum (0.327):												
1965	1,330.4	1,343.2	1,356.4	1,428.0	1,323.4	1,370.7	1,402.0	1,512.4	1,521.5	1,409.4	1,446.7	1,433.6
1966	1,421.3	1,505.1	1,528.3	1,607.8	1,628.6	1,598.9	1,654.5	1,602.8	1,580.2	1,696.3	1,729.7	1,663.0
Total manufacturing (27.340):												
1965	221.8	221.3	225.8	224.1	227.3	228.1	231.3	232.8	233.7	237.1	237.6	242.5
1966	243.7	245.0	245.2	247.1	245.1	246.1	245.8	246.5	249.1	250.5	251.1	250.6
Total non-durable manufacturing (14.742):												
1965	219.2	217.9	218.9	217.7	222.2	221.0	225.2	226.3	227.1	230.2	229.1	234.7
1966	236.3	237.8	238.9	240.6	238.8	240.7	239.7	240.1	239.9	242.3	243.5	245.2

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1965 - Dec. 1966 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total foods and beverages (1949 percentage weight 3.814):												
1965	197.6	188.6	191.1	189.9	189.8	188.9	193.7	194.9	196.9	195.8	196.8	200.1
1966	200.3	202.1	201.5	204.2	202.5	207.8	207.4	204.8	203.7	210.0	205.8	206.8
Total foods (2.896):												
1965	186.2	183.5	187.5	187.2	187.3	185.4	186.7	189.7	190.4	188.9	188.9	192.8
1966	194.1	193.1	193.0	196.3	194.7	197.5	197.0	193.2	195.0	201.6	199.6	200.0
Meat products (0.523):												
1965	193.6	186.0	193.0	187.8	192.0	189.7	201.7	198.6	196.7	197.3	193.3	189.0
1966	186.1	191.6	197.2	193.5	195.5	196.6	185.2	182.5	182.7	209.8	199.6	196.8
Dairy products (0.450):												
1965	193.1	194.3	194.3	193.9	193.6	194.1	191.5	201.7	198.9	197.2	196.9	200.6
1966	200.0	201.1	201.3	198.7	198.5	200.4	202.6	197.9	201.4	208.1	207.1	211.0
Canning and processing (0.453):												
1965	199.2	194.3	205.1	207.3	202.5	195.2	184.5	199.4	200.5	190.9	193.0	213.8
1966	214.3	205.0	205.9	221.0	206.1	215.1	218.1	212.6	222.1	221.8	221.1	222.3
Grain mill products (0.322):												
1965	182.8	182.8	178.4	184.3	183.3	181.9	188.8	187.3	196.1	199.6	199.3	205.6
1966	208.4	205.8	199.0	205.7	201.6	204.6	210.0	204.9	207.1	213.9	214.1	212.0
Bakery products (0.558):												
1965	153.1	152.7	152.4	151.9	152.0	151.1	151.0	151.7	151.3	150.9	150.8	151.3
1966	151.8	152.8	154.2	155.2	156.1	157.2	158.0	158.1	157.3	156.7	155.8	154.4
Miscellaneous foods (0.590):												
1965	197.7	194.4	201.9	201.1	202.4	201.7	204.1	202.5	204.5	203.7	206.2	206.5
1966	213.6	210.6	206.7	211.9	214.9	217.0	216.7	210.9	209.1	209.3	211.0	213.9
Total beverages (0.918):												
1965	233.4	204.7	202.4	198.5	197.7	200.2	215.6	211.4	217.3	217.5	221.5	223.1
1966	219.6	230.3	228.1	229.0	227.2	240.1	240.2	241.4	231.6	236.6	225.4	228.4
Carbonated beverages (0.231):												
1965	180.7	206.8	185.3	172.0	189.9	177.7	172.2	186.1	196.1	185.2	187.5	199.7
1966	188.2	217.3	203.5	214.6	217.8	227.2	236.8	227.8	218.2	230.4	225.4	220.7
Breweries (0.463):												
1965	249.4	177.2	188.3	184.6	196.2	186.1	187.8	187.5	182.7	191.1	198.2	188.5
1966	199.5	204.0	190.7	197.9	190.0	197.0	210.7	212.0	207.1	214.5	197.0	203.2
Distilleries (0.203):												
1965	262.1	267.2	256.8	262.2	211.2	258.6	330.6	293.7	323.1	309.3	311.4	326.5
1966	303.4	307.9	343.6	317.2	324.7	355.9	312.2	325.9	303.2	294.8	288.4	293.6
Total tobacco and tobacco products (0.248):												
1965	238.0	244.7	241.3	238.2	243.9	240.4	233.8	240.3	242.7	247.7	246.7	250.0
1966	261.1	265.8	267.8	257.9	250.2	244.3	235.3	247.1	265.7	259.6	265.5	273.4
Total rubber products (0.430):												
1965	230.0	232.8	227.8	225.2	249.9	207.2	226.3	237.2	241.3	251.3	247.1	261.5
1966	268.1	261.4	262.9	266.0	240.9	255.0	263.4	261.3	248.7	256.5	266.3	254.6
Total leather products (0.508):												
1965	137.4	133.9	135.3	133.8	132.8	132.1	132.5	135.3	136.8	137.5	136.7	138.5
1966	136.8	137.0	138.6	138.7	139.5	140.5	136.2	138.2	138.2	135.5	136.2	138.9

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1965 - Dec. 1966
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total leather products - Concluded:												
Leather boots and shoes (1949 percentage weight 0.307):												
1965	137.1	132.1	133.5	132.4	130.6	129.2	131.6	133.1	137.0	139.1	137.0	139.3
1966	136.2	136.2	137.3	139.4	141.2	143.6	136.3	139.3	141.1	138.6	141.7	148.6
Total textiles (1.623):												
1965	208.9	215.7	208.7	204.1	219.6	216.8	223.4	226.5	235.2	230.4	222.0	235.4
1966	235.6	232.6	232.6	232.6	222.8	226.8	223.2	227.7	234.4	237.9	239.7	246.8
Cotton goods (0.507):												
1965	146.2	156.8	153.2	130.3	148.6	141.9	149.8	151.3	167.6	151.2	140.0	161.3
1966	161.0	150.9	146.4	142.1	121.1	120.2	108.3	109.5	147.8	155.8	156.7	154.7
Woollen goods (0.300):												
1965	88.3	84.9	88.7	78.7	89.2	90.2	88.7	91.1	98.2	93.0	86.1	91.6
1966	90.1	93.3	93.8	94.3	94.0	98.1	90.4	94.6	91.1	84.7	89.3	89.6
Synthetic textiles and silk (0.429):												
1965	356.7	373.9	346.8	361.5	390.9	388.2	403.9	409.7	417.0	419.9	403.7	424.4
1966	427.0	422.8	427.3	434.6	421.9	434.1	438.3	453.0	440.0	450.1	454.2	484.2
Total clothing (1.801):												
1965	165.8	165.6	169.7	167.8	168.5	170.4	172.3	171.9	172.1	175.2	176.5	179.9
1966	176.2	176.9	178.8	181.1	180.2	179.3	178.4	175.8	179.1	177.9	179.2	188.3
Total paper products (2.649):												
1965	193.1	194.5	196.0	193.0	197.0	198.4	199.3	200.6	200.0	203.1	200.5	204.6
1966	212.1	214.0	214.8	214.8	218.6	217.5	215.4	218.5	215.2	216.6	218.4	216.9
Pulp and paper (2.108):												
1965	189.6	191.4	192.1	187.4	192.1	193.4	193.2	193.6	192.8	196.8	193.2	197.8
1966	206.2	208.3	209.4	209.0	213.0	211.4	208.9	213.3	208.9	210.6	212.2	210.6
Total printing, publishing and allied industries (1.273):												
1965	213.3	220.3	216.9	219.0	219.4	219.3	224.3	227.2	218.8	228.7	234.8	238.0
1966	236.1	235.3	241.1	236.5	244.9	240.1	240.9	243.6	239.5	234.1	239.1	244.7
Total products of petroleum and coal (0.513):												
1965	346.5	338.8	341.0	335.0	350.6	348.8	357.9	349.9	344.0	350.3	338.8	348.1
1966	345.2	360.0	366.5	380.1	366.8	374.2	374.1	368.1	371.0	375.6	390.5	386.8
Petroleum products (0.454):												
1965	375.7	367.9	369.9	363.1	380.8	379.1	388.9	380.0	373.4	380.7	367.6	378.0
1966	374.6	391.0	398.7	413.9	398.9	407.4	407.1	400.8	403.7	408.9	426.2	423.0
Total chemical products (1.359):												
1965	326.2	323.2	330.0	334.9	342.0	343.0	348.4	345.9	346.6	362.6	360.9	370.5
1966	374.5	377.9	376.4	381.7	377.5	379.1	377.9	377.2	373.1	377.8	380.4	376.2
Acids, alkalies, salts and fertilizers (0.346):												
1965	440.3	438.3	437.0	444.5	457.4	468.9	476.7	467.2	465.0	493.2	497.4	534.0
1966	520.8	512.5	509.6	528.3	532.8	526.9	529.7	528.6	487.2	509.6	510.5	502.0
Total miscellaneous manufacturing (0.524):												
1965	396.6	395.6	398.7	402.9	402.3	406.0	410.9	411.6	412.5	413.6	416.1	418.0
1966	424.0	430.8	437.2	441.5	444.9	446.7	449.8	455.4	460.4	462.5	465.1	462.3
Total durable manufacturing (12.598):												
1965	224.9	225.2	233.9	231.6	233.2	236.3	238.5	240.4	241.5	245.0	247.5	251.6
1966	252.4	253.5	252.5	254.7	252.4	252.4	253.0	254.0	259.8	260.2	260.0	257.0

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1965 - Dec. 1966 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total wood products (1949 percentage weight 2.108):												
1965	177.7	175.6	177.6	181.6	178.8	179.9	176.5	179.2	184.2	187.2	188.6	196.0
1966	187.9	187.6	190.9	194.0	192.1	189.3	193.2	188.0	185.3	184.7	191.3	185.3
Saw and planing mills (1.444):												
1965	181.5	177.2	177.9	182.4	179.1	180.6	175.3	179.3	185.9	189.0	189.9	199.7
1966	186.8	185.8	190.8	195.3	192.3	187.6	192.5	184.4	180.9	180.2	189.8	181.0
Veneers and plywood (0.122):												
1965	400.4	396.6	398.0	390.5	382.7	384.2	344.8	438.6	416.6	421.1	424.5	425.2
1966	438.2	431.9	438.9	436.7	447.6	437.2	451.6	424.3	419.8	399.0	427.4	386.3
Sawmills (0.994):												
1965	175.9	170.3	171.2	178.6	174.7	176.6	173.2	167.1	179.6	183.7	184.5	198.4
1966	179.2	179.2	185.5	192.9	187.9	183.2	188.8	180.9	176.8	178.5	189.1	181.2
Furniture (0.460):												
1965	202.1	206.4	213.3	216.4	214.8	216.1	217.5	217.3	218.5	221.1	224.0	226.4
1966	230.5	232.4	231.9	232.2	233.1	234.7	237.6	239.6	238.6	237.8	238.6	238.6
Total iron and steel products (4.026):												
1965	228.9	226.9	233.1	233.2	235.4	239.4	241.4	242.5	246.6	246.3	246.3	250.1
1966	257.2	257.1	253.8	255.2	253.1	249.3	249.1	249.0	257.0	255.3	253.6	248.2
Machinery (0.851):												
1965	233.1	234.8	238.3	240.9	242.6	245.5	249.7	253.6	256.8	258.2	260.0	262.0
1966	268.3	271.1	271.6	271.7	273.0	272.4	273.1	275.2	279.2	281.0	283.0	283.7
Iron castings (0.387):												
1965	203.8	201.9	218.1	212.5	206.9	224.2	225.7	189.1	226.8	228.5	234.5	262.8
1966	256.2	231.3	179.2	210.7	216.5	193.7	180.4	217.6	225.6	229.7	220.4	201.2
Primary iron and steel (0.845):												
1965	300.9	302.2	313.5	312.6	320.0	324.4	322.8	333.2	334.6	328.5	323.8	324.5
1966	339.0	339.9	346.0	336.6	327.3	322.6	321.8	306.3	331.0	321.9	312.7	293.8
Sheet metal products (0.359):												
1965	265.9	262.5	264.7	271.1	274.6	274.8	278.0	277.9	279.0	279.4	279.5	280.1
1966	287.8	292.3	293.9	292.4	289.6	281.2	284.0	287.3	286.7	284.6	292.3	298.9
Total transportation equipment (2.651):												
1965	223.1	228.2	251.7	238.9	242.1	248.9	258.7	258.2	251.7	267.4	270.8	271.4
1966	271.2	275.0	269.7	269.0	260.2	268.2	266.4	274.6	285.5	282.8	281.4	280.4
Aircraft and parts (0.203):												
1965	334.2	329.6	331.6	305.5	294.9	317.3	327.1	312.4	260.7	318.4	333.8	348.7
1966	363.5	378.5	388.7	406.0	413.7	411.8	425.8	435.7	453.1	463.5	471.3	475.7
Motor vehicles (1.035):												
1965	293.3	303.5	356.6	327.6	338.5	349.2	370.8	371.1	355.3	378.4	377.3	373.3
1966	380.1	386.0	371.1	365.6	344.5	363.3	353.5	368.8	396.0	384.0	378.6	375.9
Motor vehicle parts (0.462):												
1965	281.6	290.0	301.4	302.0	304.5	311.1	316.3	314.9	332.0	345.1	360.1	364.1
1966	341.4	342.0	340.2	341.0	333.8	339.1	344.5	354.0	349.3	353.5	352.1	348.0
Railway rolling stock (0.621):												
1965	62.1	61.7	62.4	63.5	62.5	62.3	62.7	62.9	62.9	62.4	62.4	62.9
1966	62.7	62.8	61.9	61.8	62.2	61.0	59.5	57.0	55.7	58.9	60.5	61.9

TABLE 1. Seasonally Adjusted Indexes of Industrial Production, by Months, Jan. 1965 - Dec. 1966 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total transportation equipment—Concluded:												
Shipbuilding and repairs (1949 percentage weight 0.261):												
1965.....	158.4	159.6	163.4	165.4	160.4	156.6	152.5	159.3	163.8	164.7	167.5	169.3
1966.....	168.8	170.1	172.7	171.8	168.5	168.2	168.6	170.2	171.2	169.2	175.4	171.1
Total non-ferrous metal products (1.601):												
1965.....	180.4	181.2	185.7	184.4	183.1	184.0	186.6	186.7	191.1	190.8	194.5	193.0
1966.....	196.1	194.8	195.3	196.1	197.3	199.5	191.6	187.9	195.0	197.2	194.0	201.7
Brass and copper products (0.241):												
1965.....	166.0	162.0	163.1	159.9	148.8	143.9	142.4	143.9	171.8	180.4	181.7	183.2
1966.....	181.5	182.4	183.9	184.9	185.8	185.8	184.4	183.4	178.6	176.2	175.0	173.8
Non-ferrous metal smelting and refining (1.028):												
1965.....	182.1	184.4	190.2	187.8	187.9	189.3	192.2	191.6	191.4	187.9	192.5	189.2
1966.....	194.0	191.2	191.5	192.4	194.2	197.4	185.6	179.3	191.4	194.1	189.7	200.6
Total electrical apparatus and supplies (1.418):												
1965.....	304.2	305.6	311.9	315.5	320.7	319.6	314.0	327.6	322.4	322.9	328.5	342.0
1966.....	333.8	339.5	341.3	356.8	361.1	359.3	370.4	379.9	383.7	394.6	400.0	395.1
Heavy electrical machinery (0.489):												
1965.....	228.1	230.7	233.1	236.9	239.0	241.6	243.2	243.0	244.6	249.3	253.4	255.4
1966.....	259.1	263.4	264.2	265.8	267.1	270.0	273.9	280.7	283.1	282.4	278.2	275.3
Telecommunication equipment (0.142):												
1965.....	874.6	856.9	879.3	884.3	907.3	913.8	860.3	1,000.4	878.0	829.6	891.8	1,006.4
1966.....	846.2	869.3	897.0	991.0	1,025.3	1,010.3	1,072.8	1,079.6	1,127.7	1,178.3	1,225.5	1,190.5
Refrigerators and appliances (0.227):												
1965.....	284.2	291.0	298.7	298.9	314.2	300.3	297.2	290.0	311.2	323.4	307.5	313.3
1966.....	335.3	335.0	325.3	342.8	342.7	326.7	348.4	382.3	357.5	379.8	379.1	381.4
Total non-metallic mineral products (0.794):												
1965.....	283.3	283.5	285.8	277.4	281.8	285.3	290.1	285.3	291.4	287.9	294.4	298.3
1966.....	305.1	303.5	308.5	302.0	300.6	298.2	300.3	294.8	294.6	297.6	285.5	276.5
Concrete products (0.098):												
1965.....	830.8	838.0	850.0	835.9	852.4	850.7	873.8	846.3	871.4	853.9	879.3	905.3
1966.....	906.1	965.5	954.2	885.5	887.4	889.0	885.8	874.4	885.3	886.1	813.8	756.6
Hydraulic cement (0.117):												
1965.....	329.1	297.4	319.4	294.1	296.9	296.2	297.5	278.4	282.2	296.0	307.7	306.1
1966.....	331.9	333.6	370.9	326.1	315.9	308.5	328.5	313.4	316.2	308.5	310.9	311.4
Domestic clay products (0.083):												
1965.....	158.9	142.5	142.7	141.3	137.4	137.8	140.2	139.0	145.4	142.9	142.7	153.9
1966.....	158.6	152.9	148.3	145.1	145.3	148.5	146.1	132.5	139.1	152.9	141.8	137.0
Total electric power and gas utilities (1.646):												
1965.....	428.0	437.4	438.0	437.1	434.9	437.6	438.8	451.5	456.0	471.2	478.0	471.6
1966.....	486.0	488.0	490.5	490.6	501.4	504.4	499.6	512.1	518.5	515.0	523.1	525.5
Electric power (1.480):												
1965.....	392.6	398.3	399.7	396.3	396.7	401.0	400.2	413.7	414.5	428.4	433.0	427.4
1966.....	447.0	446.7	452.6	452.9	462.3	466.2	462.1	473.5	477.4	471.4	478.5	483.0
Gas utilities (0.166):												
1965.....	743.7	786.1	779.7	800.4	775.5	764.0	783.4	788.7	825.6	852.9	879.3	847.4
1966.....	833.9	856.7	828.7	826.8	849.9	844.7	832.9	856.7	845.0	808.5	929.4	904.8

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1965 - Dec. 1966
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Index of Industrial Production (1949 percentage weight 32.231):													
1965	239.8	247.1	250.7	247.8	253.6	260.7	241.0	247.5	263.7	268.7	274.0	263.9	254.9
1966	262.7	274.8	274.5	274.4	276.8	283.1	255.5	264.1	280.6	287.2	291.3	276.0	275.1
Total mining (3.245):													
1965	358.3	344.5	351.8	344.4	354.5	369.7	358.7	379.3	399.4	371.5	384.1	371.3	365.6
1966	361.8	380.4	382.1	386.4	402.2	409.1	370.2	399.3	409.3	418.6	414.3	389.6	393.6
Total metal mining (1.925):													
1965	240.5	224.0	236.8	236.4	258.3	262.4	252.8	254.4	276.3	251.3	256.1	245.1	249.5
1966	229.7	243.3	246.7	259.5	276.8	285.6	221.0	259.3	273.3	278.0	254.1	245.2	256.0
Gold (0.575):													
1965	83.9	81.3	79.7	87.5	79.6	84.1	73.2	80.5	79.0	81.3	80.6	76.4	80.6
1966	74.3	80.5	77.1	80.5	80.7	70.3	72.0	69.4	72.6	70.2	67.7	71.4	73.9
Iron ore (0.099):													
1965	847.7	846.7	921.7	1,045.1	1,371.9	1,404.2	1,540.7	1,503.5	1,505.1	1,489.8	1,252.9	1,112.3	1,236.8
1966	1,051.9	1,030.6	982.7	1,178.2	1,558.0	1,615.6	979.5	1,632.0	1,798.1	1,672.3	1,305.9	1,068.5	1,322.7
Copper (0.352):													
1965	185.1	183.9	185.5	189.7	212.9	193.3	206.2	192.1	197.0	179.3	222.1	200.1	195.6
1966	182.9	185.6	191.1	178.9	204.3	221.0	168.9	178.5	183.8	205.6	203.2	211.1	192.9
Nickel (0.333):													
1965	213.5	209.9	219.2	221.0	215.9	203.3	198.2	207.3	189.8	198.9	214.2	227.8	209.9
1966	205.2	197.8	219.8	213.7	190.6	202.8	133.6	135.2	174.1	189.7	181.7	183.5	185.6
Total non-metal mining (0.268):													
1965	313.7	322.2	343.1	360.0	370.8	399.4	358.7	399.6	387.4	446.5	423.7	401.0	377.2
1966	372.0	384.5	413.4	410.9	422.6	394.7	368.4	426.8	421.5	438.6	423.4	386.1	405.3
Asbestos (0.189):													
1965	233.0	258.8	269.4	281.3	268.6	280.8	246.7	268.4	270.0	305.9	281.2	268.4	269.4
1966	256.7	283.2	314.9	305.8	297.1	289.1	272.0	324.9	301.8	309.0	307.4	259.6	293.4
Total fuel mining (0.915):													
1965	636.7	618.4	604.5	565.1	530.8	558.8	550.2	603.5	630.5	569.1	616.3	629.7	592.8
1966	652.2	677.3	662.5	646.0	638.8	640.0	649.7	654.1	657.4	675.0	732.2	703.6	665.7
Coal (0.553):													
1965	70.4	64.7	62.2	55.6	49.4	51.7	40.3	36.1	56.3	58.9	68.7	61.3	56.3
1966	65.9	66.4	56.5	49.5	50.9	51.1	34.9	39.8	55.5	58.1	66.6	60.4	54.6
Natural gas (0.035):													
1965	1,678.5	1,651.7	1,619.1	1,476.5	1,391.4	1,336.8	1,247.3	1,292.4	1,276.9	1,435.6	1,597.0	1,713.2	1,476.4
1966	1,827.6	1,736.8	1,706.5	1,655.3	1,500.0	1,420.1	1,362.8	1,362.5	1,354.8	1,593.2	1,800.1	1,855.4	1,598.0
Petroleum (0.327):													
1965	1,482.9	1,444.1	1,413.1	1,329.2	1,252.9	1,333.1	1,337.8	1,489.3	1,532.3	1,339.2	1,437.4	1,475.0	1,405.5
1966	1,518.0	1,596.9	1,575.7	1,546.7	1,540.7	1,552.5	1,613.1	1,617.2	1,600.7	1,620.0	1,743.5	1,668.0	1,599.4
Total manufacturing (27.340):													
1965	210.6	220.1	225.0	223.6	232.2	239.7	219.3	223.6	239.0	245.5	247.2	235.3	230.1
1966	233.1	244.6	245.9	247.0	250.0	257.7	232.4	237.5	254.2	259.3	260.9	244.0	247.2
Total non-durable manufacturing (14.742):													
1965	204.6	216.0	215.6	214.5	223.2	228.5	212.3	230.3	239.3	241.1	238.2	225.0	224.1
1966	221.6	236.3	236.7	236.9	240.4	248.6	228.0	244.6	250.6	252.1	251.8	237.3	240.4

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1965 - Dec. 1966 - continued
1949=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total foods and beverages (1949 percentage weight 3,814):													
1965	162.3	167.6	169.6	173.4	188.0	202.8	202.6	219.6	222.4	214.0	210.9	184.2	193.1
1966	167.7	179.6	180.2	185.9	198.8	222.5	222.4	231.6	230.7	227.8	218.3	193.0	204.9
Total foods (2,896):													
1965	164.1	164.6	165.3	168.2	180.8	191.9	198.0	214.6	219.7	207.8	195.3	178.9	187.4
1966	172.1	173.1	172.4	176.6	187.2	203.7	212.5	218.8	225.9	221.4	205.2	187.6	196.4
Meat products (0,523):													
1965	200.2	186.3	188.4	187.4	186.4	179.9	185.9	189.8	201.0	210.1	216.5	175.8	192.3
1966	191.7	187.6	194.8	190.6	190.8	187.0	176.3	178.1	189.5	226.6	225.6	182.8	193.4
Dairy products (0,450):													
1965	156.3	164.9	178.2	190.4	215.0	247.9	220.2	225.5	217.1	191.6	174.5	170.5	196.0
1966	162.4	172.3	186.2	193.1	218.0	253.7	233.6	220.3	217.5	203.9	181.8	182.9	202.2
Canning and processing (0,453):													
1965	107.7	117.0	112.7	118.8	165.7	198.4	267.1	341.1	344.9	253.5	180.4	159.1	197.2
1966	119.4	124.1	118.1	132.1	167.4	215.9	313.9	360.9	380.6	284.7	202.3	172.5	216.0
Grain mill products (0,322):													
1965	184.8	193.0	183.2	179.6	180.7	180.9	175.8	183.4	195.3	205.2	206.9	203.3	189.3
1966	215.9	219.8	201.2	202.0	196.1	199.9	197.0	194.0	203.1	222.5	224.5	212.0	207.3
Bakery products (0,538):													
1965	147.5	145.3	144.5	144.8	149.0	155.3	158.7	157.7	156.4	156.1	154.5	150.5	151.7
1966	144.9	145.2	146.7	148.5	153.7	162.0	166.6	165.2	162.8	161.8	158.8	152.2	155.7
Miscellaneous foods (0,590):													
1965	185.8	184.7	185.2	188.2	191.5	195.5	188.0	201.7	215.4	233.3	236.2	216.8	201.9
1966	204.3	199.4	192.2	198.3	202.5	212.8	202.5	208.8	218.0	237.1	240.6	227.3	212.0
Total beverages (0,918):													
1965	156.5	176.9	183.4	189.5	210.8	237.4	217.0	235.6	230.7	233.6	260.1	200.8	211.0
1966	153.9	199.9	204.7	215.5	235.5	281.6	253.8	272.1	245.6	248.0	259.7	210.0	231.7
Carbonated beverages (0,231):													
1965	138.4	181.1	143.1	155.9	199.1	215.2	221.5	236.3	215.6	151.9	181.3	195.4	186.2
1966	143.0	214.3	155.1	190.1	229.1	272.0	301.9	287.9	240.0	188.9	215.7	214.3	221.0
Breweries (0,463):													
1965	137.6	147.0	192.8	195.4	225.7	239.2	227.1	202.3	161.6	173.2	215.6	176.1	191.1
1966	125.5	166.9	193.2	208.2	214.9	245.9	256.8	230.2	179.1	199.3	213.4	188.6	201.8
Distilleries (0,203):													
1965	220.0	243.9	212.7	219.8	196.1	266.4	192.3	313.5	389.0	448.4	454.3	261.2	284.8
1966	230.6	264.2	293.8	267.1	298.1	386.1	196.7	356.2	384.2	410.1	416.2	251.6	312.9
Total tobacco and tobacco products (0,248):													
1965	226.5	247.6	243.7	236.9	255.6	279.4	179.1	248.0	257.6	259.4	262.2	225.0	243.4
1966	251.2	279.4	272.9	258.7	263.2	278.8	170.6	248.6	282.4	267.9	277.7	246.1	258.1
Total rubber products (0,430):													
1965	208.4	272.4	236.0	232.6	256.1	240.3	175.4	180.6	263.0	258.3	266.8	259.0	237.4
1966	249.3	307.2	272.6	275.0	256.8	270.8	200.2	198.6	261.9	263.9	292.1	253.8	258.5
Total leather products (0,508):													
1965	139.0	147.2	147.4	138.1	130.4	131.6	97.4	138.6	142.0	139.3	141.0	130.8	135.2
1966	138.3	149.9	150.8	143.0	136.8	140.2	99.1	142.3	145.0	137.3	139.2	132.5	137.9

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1965 - Dec. 1966 - Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total leather products—Concluded:													
Leather boots and shoes (1949 percentage weight 0.307):													
1965.....	138.6	151.7	153.2	140.7	128.8	128.8	88.1	139.5	142.7	138.9	138.2	122.7	134.3
1966.....	137.6	153.8	156.4	147.5	138.9	144.2	89.0	145.6	149.0	139.0	142.1	136.3	139.9
Total textiles (1.623):													
1965.....	204.1	228.9	215.4	208.2	223.4	228.6	173.9	214.7	245.5	238.5	231.2	235.1	220.6
1966.....	229.4	248.3	239.0	231.0	225.6	238.9	175.7	219.5	244.6	247.3	249.0	248.7	233.1
Cotton goods (0.507):													
1965.....	144.4	173.1	161.2	137.1	150.3	139.8	100.3	150.0	176.0	160.5	149.8	153.9	149.7
1966.....	160.4	171.4	155.6	134.9	122.7	115.6	72.9	109.9	156.1	168.3	168.6	153.5	140.8
Woollen goods (0.300):													
1965.....	84.7	84.8	85.7	78.2	91.7	103.7	71.7	85.6	109.1	104.8	90.4	85.0	89.6
1966.....	84.7	91.7	91.0	92.4	97.2	115.8	71.5	91.7	100.7	94.9	89.9	83.1	92.1
Synthetic textiles and silk (0.429):													
1965.....	345.1	408.5	367.6	369.8	401.1	426.1	292.2	374.2	435.2	425.8	417.3	432.5	391.3
1966.....	412.5	462.5	444.4	439.4	428.7	474.0	318.2	426.3	460.2	458.2	467.8	493.9	440.5
Total clothing (1.801):													
1965.....	169.4	172.4	173.8	166.4	165.0	166.3	168.4	179.2	178.0	181.4	177.4	156.8	171.2
1966.....	177.3	181.1	184.0	180.9	177.0	175.7	175.2	180.9	185.0	182.7	178.5	172.1	179.2
Total paper products (2.649):													
1965.....	179.6	192.0	197.6	192.7	197.8	199.9	192.9	205.3	203.7	211.2	208.5	199.0	198.3
1966.....	198.2	213.7	219.1	213.5	221.0	222.5	209.2	223.4	216.9	222.5	224.6	209.0	216.1
Pulp and paper (2.108):													
1965.....	176.2	191.2	195.7	188.4	193.7	193.7	184.2	197.1	194.2	203.9	202.6	192.6	192.8
1966.....	193.0	212.3	217.1	209.0	216.2	215.2	199.5	216.5	207.2	215.0	219.0	202.2	210.2
Total printing, publishing and allied industries (1.273):													
1965.....	200.4	218.5	217.8	229.5	230.9	222.4	205.9	212.4	222.8	243.3	245.8	229.9	223.3
1966.....	222.3	234.3	243.7	246.3	260.7	241.7	221.0	230.3	237.9	244.7	250.6	242.6	239.7
Total products of petroleum and coal (0.513):													
1965.....	361.3	350.2	336.8	308.2	328.4	346.0	359.9	361.5	347.6	347.2	339.5	363.9	345.9
1966.....	355.0	369.4	362.7	353.9	344.0	375.7	385.5	378.6	370.9	370.7	390.2	402.3	371.6
Petroleum products (0.454):													
1965.....	392.6	381.3	365.1	332.7	355.2	375.8	391.2	393.0	377.3	377.2	368.4	396.1	375.5
1966.....	385.8	401.9	394.3	384.1	372.6	409.0	419.7	412.8	403.3	403.2	426.2	440.8	404.5
Total chemical products (1.359):													
1965.....	315.2	327.4	335.9	346.0	355.7	355.0	315.6	336.8	355.6	369.6	363.1	360.9	344.7
1966.....	362.0	384.5	384.0	398.0	392.9	391.6	341.5	366.3	373.5	384.3	382.9	368.6	377.5
Acids, alkalies, salts and fertilizers (0.346):													
1965.....	423.2	461.9	463.2	469.2	477.3	463.6	390.5	426.0	488.3	498.3	509.6	557.1	469.0
1966.....	506.2	535.0	531.0	560.0	562.1	523.2	439.1	484.2	479.4	516.2	525.8	533.6	516.3
Total miscellaneous manufacturing (0.524):													
1965.....	382.0	380.1	385.6	389.3	390.8	403.6	411.1	418.9	432.2	436.9	436.4	420.5	407.3
1966.....	408.3	412.7	424.5	430.5	434.2	444.5	450.7	464.5	483.0	486.6	484.2	461.4	448.8
Total durable manufacturing (12.598):													
1965.....	217.6	224.9	236.0	234.3	242.6	252.8	227.6	215.8	238.7	250.7	257.7	247.4	237.2
1966.....	246.5	254.3	256.7	258.8	261.3	268.4	237.5	229.2	258.5	267.6	271.5	251.8	255.2

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1965 - Dec. 1966 Continued
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total wood products (1949 percentage weight 2.108):													
1965	168.1	183.7	183.7	171.1	176.9	191.6	178.7	189.7	195.3	188.7	177.3	175.7	181.7
1966	179.0	194.4	198.0	185.8	189.7	200.4	193.3	195.8	195.5	185.7	182.8	169.5	189.2
Saw and planing mills (1.444):													
1965	169.5	191.8	189.3	169.5	177.7	198.2	178.7	193.5	199.0	187.7	170.3	168.9	182.8
1966	175.6	197.9	202.7	185.4	190.5	204.9	193.2	194.6	193.4	178.6	174.1	156.8	187.3
Veneers and plywood (0.122):													
1965	401.4	428.2	420.0	412.2	375.9	380.0	296.5	427.7	429.2	427.2	435.4	412.0	403.8
1966	459.7	466.5	466.1	455.9	436.0	421.0	370.3	423.5	433.7	403.0	435.9	365.8	428.1
Sawmills (0.994):													
1965	160.2	189.5	186.8	159.9	175.7	202.2	181.6	185.8	194.3	179.8	153.8	155.6	177.1
1966	162.0	194.8	201.3	178.8	189.0	210.3	197.7	192.7	190.9	174.4	164.3	148.6	183.7
Furniture (0.460):													
1965	198.0	199.9	206.7	209.8	210.8	213.4	215.2	219.5	227.1	231.3	233.0	230.9	216.3
1966	227.3	227.8	227.7	226.2	228.2	230.7	234.7	243.2	245.5	246.1	247.2	241.9	235.5
Total iron and steel products (4.026):													
1965	215.7	220.5	230.8	234.3	243.0	254.6	233.9	243.1	253.0	250.7	250.6	238.6	239.1
1966	244.1	250.5	253.6	258.2	261.2	262.0	240.9	249.0	266.0	260.5	256.6	234.1	253.1
Machinery (0.851):													
1965	229.9	229.5	233.7	238.0	240.7	246.7	251.8	255.0	259.2	262.6	265.0	265.2	248.1
1966	266.2	267.0	267.8	268.7	270.5	272.1	273.6	276.3	282.8	285.8	287.8	286.0	275.4
Iron castings (0.387):													
1965	188.3	205.1	234.2	225.2	229.7	274.8	208.3	177.8	230.5	207.0	219.8	226.1	218.9
1966	240.8	235.9	200.2	225.4	240.7	225.9	162.4	191.5	231.7	214.3	210.0	177.5	213.0
Primary iron and steel (0.845):													
1965	277.7	291.2	310.6	322.0	342.7	346.3	306.5	330.0	339.6	334.3	336.0	303.3	320.0
1966	313.2	328.0	346.0	351.4	350.2	342.6	302.2	307.8	345.9	329.6	319.6	260.6	324.8
Sheet metal products (0.359):													
1965	247.3	243.9	249.6	262.1	274.0	290.4	294.7	294.3	296.1	289.0	279.3	269.7	274.2
1966	267.9	272.4	279.2	286.0	291.9	296.9	299.9	304.5	302.5	291.4	289.1	287.5	289.1
Total transportation equipment (2.651):													
1965	241.0	245.9	277.2	271.8	280.0	284.4	230.4	125.5	197.1	259.3	298.2	289.3	250.0
1966	295.9	302.1	302.3	304.2	292.8	305.7	223.3	146.9	233.9	275.9	310.3	292.1	273.8
Aircraft and parts (0.203):													
1965	340.8	333.0	334.4	299.4	289.0	320.5	322.9	310.6	258.1	321.0	341.0	361.0	319.3
1966	372.9	386.8	400.4	403.6	405.0	412.2	414.7	422.6	446.8	461.6	472.7	484.7	423.6
Motor vehicles (1.035):													
1965	334.4	346.0	417.2	406.2	427.9	433.3	305.9	44.9	226.7	363.3	448.2	417.0	347.6
1966	433.7	448.2	445.7	450.0	422.0	458.8	255.9	62.7	275.2	369.0	447.1	398.8	372.3
Motor vehicle parts (0.462):													
1965	291.5	298.6	312.3	314.3	320.6	320.8	299.8	289.9	312.1	332.2	352.0	362.5	317.2
1966	361.9	357.4	353.8	350.5	347.1	337.7	323.8	319.3	329.4	348.9	360.2	357.7	345.6
Railway rolling stock (0.621):													
1965	61.6	60.7	61.7	62.9	61.7	62.4	63.6	63.2	62.9	63.2	63.6	63.5	62.6
1966	62.3	61.8	60.9	60.8	62.3	61.5	60.4	56.9	55.6	59.3	61.5	62.5	60.5

TABLE 2. Indexes of Industrial Production, without Seasonal Adjustment, by Months, Jan. 1965 - Dec. 1966 - Concluded
1949 = 100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Total transportation equipment - Concluded:													
Shipbuilding and repairs (1949 percentage weight 0.261):													
1965	152.5	153.9	163.6	170.7	168.2	164.9	155.6	154.5	160.9	163.5	167.8	166.9	161.9
1966	162.7	165.8	179.3	182.4	174.9	172.4	163.7	162.7	168.6	166.5	171.4	170.6	170.1
Total non-ferrous metal products (1.601):													
1965	177.7	181.8	187.9	188.3	183.7	185.1	179.7	182.1	188.9	192.6	198.4	196.3	186.9
1966	193.3	193.9	197.6	200.4	199.0	201.3	184.0	180.2	194.2	199.7	198.2	206.1	195.7
Brass and copper products (0.241):													
1965	164.0	162.0	163.1	159.9	148.4	143.6	141.9	146.8	175.2	180.9	182.6	184.0	162.7
1966	181.7	183.1	186.3	186.0	183.4	182.5	179.6	179.2	181.3	177.8	176.8	177.3	181.2
Non-ferrous metal smelting and refining (1.028):													
1965	179.4	187.1	194.9	195.0	189.8	191.2	181.6	183.6	185.6	189.0	196.1	193.0	188.9
1966	190.5	191.8	196.3	200.1	198.9	201.3	175.2	168.0	187.8	195.1	193.5	204.8	191.9
Total electrical apparatus and supplies (1.418):													
1965	298.5	305.7	307.3	305.1	310.3	317.5	279.0	320.9	341.1	347.9	352.7	344.1	319.2
1966	326.7	339.0	334.6	348.6	353.6	356.5	323.9	371.6	403.9	428.9	434.8	403.6	368.8
Heavy electrical machinery (0.489):													
1965	228.1	227.5	228.8	234.3	237.7	243.8	245.2	240.3	244.2	252.4	257.4	259.6	241.6
1966	260.7	262.9	260.8	264.5	265.2	271.4	274.2	277.9	283.1	286.9	280.7	275.6	272.0
Telecommunication equipment (0.142):													
1965	867.9	892.2	838.0	792.4	812.0	832.2	579.9	990.4	971.8	1,041.2	1,086.7	1,036.6	895.1
1966	813.2	869.3	828.8	903.8	945.3	922.4	718.8	1,090.4	1,240.5	1,449.3	1,528.2	1,309.5	1,051.6
Refrigerators and appliances (0.227):													
1965	259.2	290.6	316.6	309.9	323.6	331.5	262.2	257.9	342.3	323.4	313.7	292.1	301.9
1966	315.2	343.7	341.2	363.7	356.4	356.1	300.0	341.4	387.2	397.6	379.1	348.6	352.5
Total non-metallic mineral products (0.794):													
1965	217.3	228.4	232.9	242.7	287.9	321.4	321.2	329.1	337.1	329.5	322.1	272.7	286.9
1966	236.3	243.8	256.1	262.3	307.6	335.4	338.2	336.5	339.5	343.0	310.1	246.6	296.3
Concrete products (0.098):													
1965	515.1	544.1	612.0	692.7	895.0	1,027.9	1,022.3	1,071.9	1,088.7	1,047.7	1,008.5	770.1	858.0
1966	547.3	654.6	710.9	727.0	950.4	1,073.0	1,055.0	1,090.4	1,106.6	1,100.5	918.0	609.1	878.6
Hydraulic cement (0.117):													
1965	189.8	192.5	220.2	250.0	336.3	384.0	375.0	359.2	358.4	367.7	320.0	232.6	298.8
1966	206.8	220.2	271.9	283.4	354.8	390.5	423.5	380.1	385.5	376.1	327.1	228.9	320.8
Domestic clay products (0.083):													
1965	117.6	111.5	119.6	136.7	146.8	151.9	151.5	150.6	165.1	156.0	155.3	151.1	142.8
1966	134.0	122.3	123.2	137.8	151.6	162.9	158.5	140.0	154.7	173.4	152.3	133.3	145.3
Total electric power and gas utilities (1.646):													
1965	491.4	503.5	478.9	459.7	411.4	394.6	368.5	384.8	406.8	451.6	502.5	525.9	448.3
1966	560.1	568.1	537.9	510.4	474.2	455.9	412.4	438.8	463.9	491.9	553.0	583.8	504.2
Electric power (1.480):													
1965	425.3	429.5	417.6	399.7	382.9	376.0	358.3	375.7	388.4	424.7	458.7	468.6	408.8
1966	489.9	485.1	477.5	452.9	447.0	439.2	405.7	432.8	447.3	463.4	506.3	524.1	464.2
Gas utilities (0.166):													
1965	1,080.7	1,163.4	1,025.1	994.8	665.5	560.8	459.2	465.7	570.4	691.8	892.7	1,037.0	800.6
1966	1,185.8	1,308.2	1,076.5	1,022.8	725.8	604.8	472.0	492.6	612.4	746.3	969.2	1,116.5	861.1

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1965-66
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total Real Domestic Product (1949 percentage weight 100.000):									
1965	207.0	209.0	213.2	217.2	188.8	206.4	234.7	216.3	211.6
1966	224.0	226.0	226.2	229.8	204.4	221.8	252.2	227.6	226.5
Agriculture (10.714):									
1965	153.6	147.7	151.0	149.4	76.0	100.1	330.7	93.0	149.9
1966	171.1	170.8	168.4	165.9	80.1	106.7	387.3	95.7	167.5
Total Real Domestic Product less agriculture (89.286):									
1965	213.4	216.4	220.7	225.4	202.3	219.2	223.2	231.1	219.6
1966	230.4	232.6	233.1	237.4	219.3	235.6	236.0	243.5	233.6
Forestry (2.108):									
1965	168.6	174.0	155.0	157.3	144.3	151.5	184.9	161.0	160.4
1966	167.0	180.0	168.5	172.3	147.7	164.8	198.6	176.3	171.8
Fishing and trapping (0.540):									
1965	124.4	117.1	116.8	123.6	74.7	118.1	163.7	125.2	120.4
1966	122.8	130.3	141.3	131.3	74.5	124.8	198.6	136.6	133.6
Total mining (3.245):									
1965	359.4	355.7	372.8	375.0	351.5	356.2	379.1	375.6	365.6
1966	386.8	398.0	386.6	407.0	374.8	399.2	392.9	407.5	393.6
Metal mining (1.925):									
1965	253.9	240.2	248.5	256.0	233.8	252.4	261.2	250.9	244.5
1966	262.0	261.4	242.2	263.5	239.9	274.0	251.2	259.1	256.0
Non-metal mining (0.268):									
1965	353.2	366.3	384.6	401.5	326.3	376.7	381.9	423.7	377.2
1966	415.7	401.7	406.8	397.2	390.0	409.4	405.6	416.0	405.3
Fuel mining (0.915):									
1965	570.2	582.6	618.2	601.7	619.9	551.6	594.7	605.0	592.8
1966	622.9	670.0	670.3	702.7	664.0	641.6	653.7	703.6	665.7
Total manufacturing (27.340):									
1965	223.0	226.5	232.6	239.1	218.6	231.8	227.3	242.7	230.1
1966	244.6	246.1	247.1	250.8	241.2	251.6	241.4	254.7	247.2
Total non-durable manufacturing (14.742):									
1965	218.7	220.3	226.2	231.4	212.1	222.1	227.3	234.8	224.1
1966	237.7	240.0	239.9	243.7	231.5	241.9	241.1	247.1	240.4
Foods and beverages (3.814):									
1965	192.4	189.6	195.2	197.6	166.5	188.1	214.8	203.0	193.1
1966	201.3	204.8	205.3	207.6	175.8	202.4	228.2	213.0	204.9
Tobacco and tobacco products (0.248):									
1965	241.3	240.8	238.9	248.1	239.3	257.3	228.2	248.9	243.4
1966	264.9	250.8	249.4	266.2	267.8	266.9	233.9	263.9	258.1
Rubber products (0.430):									
1965	230.2	227.4	234.9	253.3	238.9	243.0	206.3	261.4	237.4
1966	264.1	254.0	257.8	259.1	276.4	267.5	220.2	269.9	258.5
Leather products (0.508):									
1965	135.5	132.9	134.9	137.5	144.5	133.4	126.0	137.0	135.2
1966	137.5	139.6	137.6	136.9	146.3	140.0	128.8	136.4	137.9
Textiles (1.623):									
1965	211.1	213.5	228.3	229.3	216.1	220.1	211.4	234.9	220.1
1966	233.6	227.4	228.4	241.5	238.9	231.8	213.3	248.3	233.1

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1965 - 66 - Continued
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total non-durable manufacturing - Concluded:									
Clothing (1949 percentage weight 1.801):									
1965	167.0	168.9	172.1	177.2	171.9	165.9	175.2	171.9	171.2
1966	177.3	180.2	177.8	181.8	180.8	177.9	180.4	177.8	179.2
Paper products (2.649):									
1965	194.5	196.1	199.9	202.7	189.7	196.8	200.6	206.2	198.3
1966	213.6	217.0	216.4	217.3	210.3	219.0	216.5	218.7	216.1
Printing, publishing and allied industries (1.273):									
1965	216.8	219.2	223.4	233.9	212.3	227.6	213.7	239.7	223.3
1966	237.5	240.5	241.3	239.3	233.4	249.6	229.8	246.0	239.7
Products of petroleum and coal (0.513):									
1965	342.1	344.8	350.6	345.7	349.4	327.5	356.3	350.2	345.9
1966	357.2	373.7	371.1	384.3	362.4	357.9	378.3	387.8	371.6
Chemical products (1.359):									
1965	326.5	339.9	346.9	364.7	326.1	352.2	336.0	364.5	344.7
1966	376.3	379.4	376.0	378.1	376.8	394.2	360.4	378.6	377.5
Miscellaneous manufacturing (0.524):									
1965	397.0	403.7	411.7	415.9	382.6	394.6	420.7	431.3	407.3
1966	430.7	444.4	455.2	463.3	415.2	436.4	466.1	477.4	448.8
Total durable manufacturing (12.598):									
1965	228.0	233.7	240.1	248.1	226.2	243.2	227.4	251.9	237.2
1966	252.8	253.2	255.6	259.1	252.5	262.9	241.7	263.7	255.2
Wood products (2.108):									
1965	177.0	180.1	180.0	190.6	178.5	179.9	187.9	180.6	181.7
1966	188.8	191.8	188.8	187.1	190.5	192.0	194.9	179.3	189.2
Iron and steel products (4.026):									
1965	229.6	236.0	243.5	247.6	222.3	244.0	243.3	246.6	239.1
1966	256.0	252.5	251.7	252.4	249.4	260.5	252.0	250.4	253.1
Transportation equipment (2.651):									
1965	234.3	243.3	256.2	269.8	254.7	278.7	184.3	282.3	250.0
1966	272.0	265.8	275.5	281.6	300.1	300.9	201.4	292.8	273.8
Non-ferrous metal products (1.601):									
1965	182.4	183.8	188.1	192.8	182.5	185.7	183.5	195.8	186.9
1966	195.4	197.6	191.5	197.6	194.9	200.2	186.2	201.4	195.7
Electrical apparatus and supplies (1.418):									
1965	307.3	318.6	321.3	331.1	303.8	311.0	313.7	348.2	319.2
1966	338.2	359.1	378.0	396.9	333.5	352.9	366.5	422.5	368.8
Non-metallic mineral products (0.794):									
1965	284.2	281.5	288.9	293.5	226.2	284.0	329.1	308.1	286.9
1966	305.7	300.3	296.6	286.5	245.4	301.8	338.1	299.9	296.3
Electric power and gas utilities (1.646):									
1965	434.5	436.5	448.8	473.6	491.3	421.9	386.7	493.3	448.3
1966	488.2	498.8	510.1	521.2	555.4	480.2	438.4	542.9	504.2
Construction (6.379):									
1965	203.9	207.6	211.9	219.6	142.2	208.1	255.3	239.0	211.2
1966	225.8	227.9	217.4	221.2	163.7	235.8	266.1	238.5	226.0
Total transportation, storage and communication (8.363):									
1965	217.0	220.6	226.8	231.9	198.7	226.0	240.2	234.2	224.8
1966	235.5	242.3	240.2	250.3	213.6	248.5	255.2	252.6	242.5

TABLE 3. Indexes of Real Domestic Product (including the Index of Industrial Production), by Quarters, 1965-66 - 1966-67
1949 = 100

	Adjusted for seasonal variation				Without seasonal adjustment				
	I	II	III	IV	I	II	III	IV	Year
Total transportation, storage and communication - Concluded:									
Transportation (1949 percentage weight 6.528):									
1965	203.9	207.9	214.4	218.9	181.4	212.8	228.2	216.4	212.2
1966	223.7	230.3	226.8	236.7	196.6	229.4	247.6	236.9	228.8
Storage (0.230):									
1965	208.8	224.2	241.1	241.1	174.0	203.7	222.4	216.2	203.4
1966	237.6	255.1	254.0	255.3	187.2	227.7	228.0	253.1	231.4
Total trade (14.562):									
1965	191.1	195.5	199.4	203.6	177.3	203.0	200.6	226.0	197.6
1966	206.3	202.7	207.0	209.6	192.4	207.3	197.3	238.3	206.2
Wholesale trade (4.995):									
1965	211.2	213.6	218.2	224.7	217.1	226.7	201.1	222.8	207.1
1966	223.3	222.4	226.0	230.2	230.2	231.6	206.1	241.3	222.3
Retail trade (9.567):									
1965	180.6	186.0	189.6	192.6	157.2	190.6	183.3	218.2	187.5
1966	197.4	192.4	197.1	198.8	172.6	194.7	191.6	226.4	196.3
Finance, insurance and real estate (9.127):									
1965	208.1	211.4	213.4	214.3	204.4	212.5	216.7	214.9	211.4
1966	218.9	221.3	224.9	228.2	214.9	222.6	228.4	227.1	226.1
Public administration and defence (4.666):									
1965	190.4	189.9	190.6	191.3	183.7	190.6	192.6	189.8	190.7
1966	192.3	194.4	197.6	199.3	183.7	194.4	206.2	197.3	195.9
Community, recreation, business and personal service (10.202):									
1965	175.0	178.0	180.0	182.1	170.5	178.1	184.5	182.1	176.8
1966	187.5	189.7	192.4	193.4	182.6	189.8	197.1	193.6	190.8
Total commercial industries (91.729):									
1965	207.8	210.0	214.5	218.6	188.4	207.2	227.5	217.9	212.7
1966	225.7	227.5	227.4	231.1	204.6	222.9	250.3	228.6	227.8
Total commercial industries less agriculture (81.015):									
1965	215.0	218.3	222.9	227.9	203.3	221.3	225.1	234.4	221.0
1966	232.9	235.0	235.2	239.7	221.1	238.3	237.6	246.9	233.9
Total non-commercial industries (8.271):									
1965	197.1	197.7	199.1	200.5	192.9	198.3	204.0	199.1	198.6
1966	206.2	209.4	212.9	214.9	201.9	209.6	218.3	213.7	210.9
Total goods-producing industries (53.080):									
1965	217.1	218.2	223.2	228.2	191.6	210.1	222.1	211.8	221.4
1966	237.8	240.4	238.5	242.0	210.2	230.1	236.5	242.3	236.7
Total goods-producing industries less agriculture (42.366):									
1965	233.2	236.0	241.4	248.1	220.8	237.6	244.3	254.4	246.4
1966	254.7	258.0	256.3	261.2	243.2	261.2	259.3	267.9	259.0
Total service-producing industries (46.920):									
1965	195.5	198.7	201.9	204.9	185.7	203.3	204.7	220.1	201.2
1966	208.5	209.7	212.3	215.9	197.7	213.5	214.9	224.7	211.6
Index of Industrial Production (32.231):									
1965	247.5	250.2	257.8	264.7	245.9	254.0	250.7	268.6	254.3
1966	271.4	274.3	274.6	280.2	244.5	278.1	280.7	284.3	276.1

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